

	4	3	2	1
): E _ ; # P F	SIZES MUST BE AS I-GENSET TO TRAN	FOLLOWS: SFER SWITCH-LEAD Y CHARGER IS INST	SIZE MUST BE	ТСН
T     T E A   T   E A [   T	H NO BATT CHARGI H 2 AMP CHARGE DS I-I, & I-3 H I2/I5 AMP CHAR DS I-I & I-3 USE H 2 AMP CHARGEI	ER-LEADS I-I, -2 R, MAXIMUM VOLT USE COL B. RGER MAXIMUM VOL E COL. C. R, MAXIMUM VOLT	, -3, -4 USE CO AGE DROP OF I. TAGE DROP OF I.	L A. 5 VOLTS, 5 VOLTS, 75 VOLTS,
EA EAC DF IPE	DS I-I, & I-3 I 12/15 AMP CHAF S I-I, & I-3 US ETURN A FULLY D RE-HOUR RATING	USE COL D. RGER, MAXIMUM VO SE COL E. TO MEE DISCHARGED BATTE WITHIN 24 HOURS	LTAGE DROP OF 0 T THE NFPAIIO RE RY TO 100% OF 1 USE COL. E. MUST CONNECT B+	J
= R   P 2 ML TC F E 8 N N   R M A N :	NAL BAITERY-BAC 7.21 (B+) AND F LTIPLE TRANSFER S DAISY CHAIN CON DISTANCE TO THE ECT AN OPEN DRY INAL AND COMMON SFER INHIBIT AN	SWITCHES, DUPLICAT SWITCHES, DUPLICAT NECTION IS ACCEPT LAST SWITCH MEET CONTACT BETWEE (TB2-8). FOR ID LOAD SHED. CL	E RUN #I FOR EACH ABLE PROVIDED WIR THE SPECS IN NOTE N THE APPLICABI REMOTE TEST, .OSE TO ACTIVATI	E I. E E.
FE ST ST	ACTS RATED: 20V MAX. R TO CUMMINS ALLATION & OF RUCTIONS, WIF TED PAIR WIRE ETWORK. PART	4 AMPS AT 30 N 900-0529 POWE PERATION MANUA RE SIZE, AND L ES WHEN CONNEC # 0334-1350 C	/DC RCOMMAND NETV AL FOR WIRING ENGTH. USE ST CTING DATAI AN OR EQUAL.	VORK TRANDED ID DATA2
PL GI TV NF W	ITS FOR CUSTON NAL REQUIRED IUMPER IS REQU IEEN TB2-2 & IGURATION SHOWN ALL-MOUNTED CHAN	MER FAULTS. GF TO ACTIVATE IN JIRED BETWEEN TB2-3. IS FOR ATS-MOUN RGER IS USED, CO	ROUNDED NPUT (MAX 50 N TB2-1 & TB2-2 TED BATTERY CHAR NNECT B+ AND GND	MA.) 2 OR GER.
	SFER SWITCH SASS SWITCH SHO ACTS RATED: 0.60 AMPS AT CONNECTION TO E TERMINALS MU	SHOWN CLOSED OWN NEUTRAL PO 2 AMPS AT 30 120 VAC. 0 INITIATE EMEN JST BE SHORTED	TO NORMAL DSITION. VDC RGENCY STOP. TOGETHER IF	F
MO OV ST TP E OB	N BETWEEN TB8- AC OR 240VAC A OMER SUPPLIED UT SIGNAL 20m THE INVENTER F E (0193-0530).	AT 50W. EITHER I2 OR 2 @ 24VDC MAX. REMOTE TEMPERAT	TUSED. JUMPER DT SUPPLIED WI 240VDC RELAYS TURE	TH UNIT. <b>E</b>
E A R L T E R I L 2	FOLLOWING FAIL M OUTPUT: LOW AGE, LOW AC IN CURRENT, HIGH URE, HIGH BAT <sup></sup> AMP CHARGER),	S WILL CAUSE A W BATTERY VOLTA NPUT VOLTAGE, A CHARGER TEMPER TERY TEMPERATUR	A BATTERY CHAR AGE, HIGH BATT HIGH AC INPUT RATURE, BATTER RE (NOT AVAILA	GER ERY VOLTAGE Y BLE <b>D</b>
				C
	LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLER/ HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - ATFORM: OTPC/BTPC RWISE SPECIFIED THE FOLLO ANCES: X ± 1 1.99 HOLE SIZE 5.00-9.99 TOL. +0.20/-0.10 Cummine Ine	LAST REFERENCE LETT THIS PART IS SIMILAR T WING SHALL APPLY AN .X ± 0.8 HOLE SIZE 10.00-17.49 TOL. +0.25/-0.13	$BR USED: - \\ \hline 0: 0630 - 1975 \\ \hline 3. TOL.: \pm 1^{\circ} \\ \hline .XX \pm 0.38 \\ SIZE 17.50 - 24.99 \\ \hline L. + 0.30/ - 0.13 \\ \hline \\ \hline$
	DIMENSIONS ARE []] ARE DIMENSIONING AN ASME Y 4	IN: MILLIMETERS SIZE: IN: - ND TOLERANCING PER: I 4.5M-1994 THIRD	A1 SCALE: 1/1 A1 SCALE: 1/1 CA PTC <sup>®</sup> Cre Cre	® ND SYSTEM o® Parametric 1

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N C I	DTES: . WIRE SIZES MUST	BE AS FOLLOWS:		
	RUN #I-GENSET TO INCREASED IF A E WITH NO BATT O WITH 2 AMP CH, LEADS I-I, & WITH 12/15 AMP	O TRANSFER SWITCH- BATTERY CHARGER IS CHARGER-LEADS I-I, ARGER, MAXIMUM VOL I-3 USE COL B. P CHARGER MAXIMUM -3 USE COL C	LEAD SIZE MUST BE INSTALLED IN THE -2, -3, -4, -5 U TAGE DROP OF I.5 VOLTAGE DROP OF I	SWITCH. SE COL A. VOLTS, <b>K</b> .5 VOLTS,
	WITH 2 AMP CH, LEADS I-I, & WITH I2/I5 AMP LEADS I-I, & I TO RETURN A FU AMPERE-HOUR RA	ARGER, MAXIMUM VOL I-3 USE COL D. P CHARGER, MAXIMUM I-3 USE COL E. TO JLLY DISCHARGED BA ATING WITHIN 24 HO	TAGE DROP OF 0.75 VOLTAGE DROP OF MEET THE NFPAIIO TTERY TO IOO% OF URS USE COL. E.	S VOLTS, D.75 VOLTS, REQUIREMENT IT'S <b>J</b>
3	. FOR 300-4510 AN ANNUNCIATOR-ALL FOR NETWORK ANN . FOR MULTIPLE TR SWITCH. DAISY C SIZE & DISTANCE . CONNECT AN OPEN TERMINAL AND CO TRANSFER INHIBI	NUNCTATOR, RUN #2 LEADS, USE COL. UNCIATOR, SEE NOT ANSFER SWITCHES, HAIN CONNECTION I TO THE LAST SWIT DRY CONTACT BETW MMON (TB2-8). FO T AND LOAD SHED.	-GENSEL TO A E 6. DUPLICATE RUN #I S ACCEPTABLE PROV CH MEET THE SPECS EEN THE APPLICABLI R REMOTE TEST, CLOSE TO ACTIVATE	FOR EACH IDED WIRE IN NOTE I.
6	. CONTACTS RATED: OR I20V MAX. . REFER TO CUMMI INSTALLATION & WIRE SIZE, AND WHEN CONNECTIN PART # 0334-I3	4 AMPS AT 30 VDC NS 900-0529 POWE OPERATION MANUA LENGTH. USE STR G DATAI AND DATA 50 OR EQUAL.	RCOMMAND NETWORK L FOR WIRING INS ANDED TWISTED PA 2 TO NETWORK.	TRUCTIONS, IR WIRES
7 8 9	<ul> <li>. INPUTS FOR CUS SIGNAL REQUIRE</li> <li>. INSTALL JUMPER FOR SETS WITH</li> <li>. IF OTPC/BTPC N CONNECT B+ OP</li> </ul>	TOMER FAULTS. GRO D TO ACTIVATE INI BETWEEN TB2-I & PCC 3100 CONTROL ETWORK CARD IS US	DUNDED PUT (MAX 50 MA.) TB2-2. SED, YOU MUST	G
	TO THE OTPC/BT P27.22 (GND) 0. TRANSFER SWIT BYPASS SWITCH I. CONTACTS RATE OR 0.60 AMPS	PC DIGITAL BOARD TCH SHOWN CLOSED I SHOWN NEUTRAL P ED: 2 AMPS AT 30 AT 120 VAC.	AT P27.21 (B+) / TO NORMAL OSITION. VDC	AND F
	<ul> <li>12. REFER TO 090 OF 0300-5929</li> <li>13. REFER TO 090 OF 0300-5929</li> <li>14. USE THE INVE PROBE (0193-</li> </ul>	0-0301 FOR INSTAL 0-0301 FOR INSTAL NTER REMOTE TEMPE 0530).	LATION LATION RATURE	E
	15. THE FOLLOWIN CHARGER ALAR LOW BATTERY LOW AC INPUT OVERCURRENT, BATTERY FAIL AVAILABLE ON	G FAILS WILL CAUS M OUTPUT: VOLTAGE, HIGH BAT VOLTAGE, HIGH AC HIGH CHARGER TEM URE, HIGH BATTER 2 AMP CHARGER).	SE A BATTERY TERY VOLTAGE, C INPUT VOLTAGE MPERATURE, MPERATURE (NO	D
				С
	LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLER/ HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - LATFORM: OTPC/BTPC RWISE SPECIFIED THE FOLLO ANCES: X ± 1 1.99 HOLE SIZE 5.00-9.99 08 TOL. +0.20/-0.10 Cummins Inc.	LAST REFERENCE LETT THIS PART IS SIMILAR WING SHALL APPLY AN .X ± 0.8 HOLE SIZE I0.00-17.49 TOL. +0.25/-0.13	$\frac{\text{ER USED: -}}{\text{TO: 0630-1975}} \\ \frac{\text{G. TOL.: \pm 1^{\circ}}}{.xx \pm 0.38} \\ \frac{\text{SIZE 17.50-24.99}}{\text{OL. +0.30/-0.13}} \\ \text{B}$
	DIMENSIONS ARE [] ARE DIMENSIONING AN ASME Y	IN: MILLIMETERS SIZE: IN: - ND TOLERANCING PER: I4.5M-1994 THIRD <b>3</b>	A1 SCALE: 1/1 CALE: 1/1 ANGLE PROJECTION PTC <sup>®</sup> Cree 2	The offer the system of the sy



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	NOTES: I. WIRE S RUN #	SIZES MUST BE AS FOLLOW I-GENSET TO TRANSFER SW	/S: /ITCH-LEAD SIZE MUST BE		L
	UNCRE/ WI LE WI LE WI	ASED IF A BATTERY CHARG TH NO BATT CHARGER-LEA TH 2 AMP CHARGER, MAXIN ADS I-I, & I-3 USE COL TH 12/15 AMP CHARGER M/ ADS I-I & I-3 USE COL. TH 2 AMP CHARGER, MAXIN	ER IS INSTALLED IN THE DS I-I, -2, -3, -4, -5 MUM VOLTAGE DROP OF I.S B. AXIMUM VOLTAGE DROP OF C. MUM VOLTAGE DROP OF 0.	SWITCH. USE COL A. 5 VOLTS, I.5 VOLTS, 75 VOLTS,	K
T ( W   <sup>-</sup>   T ( W   <sup>-</sup>	CH ICH CH CH CH CH CH CH CH CH CH	TH 12/15 AMP CHARGER, M ADS 1-1, & 1-3 USE COL RETURN A FULLY DISCHAR PERE-HOUR RATING WITHIN #2-GENSET TO ANNUNCIATO MULTIPLE TRANSFER SWITO CH. DAISY CHAIN CONNECT & DISTANCE TO THE LAST	D. MAXIMUM VOLTAGE DROP OF E. TO MEET THE NFPAILO GGED BATTERY TO 100% OF 1 24 HOURS USE COL. E. DR-ALL LEADS, USE COL. CHES, DUPLICATE RUN #1 TION IS ACCEPTABLE PROV T SWITCH MEET THE SPECS	O.75 VOLTS, REQUIREMENT IT'S A FOR EACH IDED WIRE IN NOTE I.	J
СН WI <sup>-</sup> СН WI <sup>-</sup>	4. INST 5. 300- WIRE 6. CONT OR I 7. USE DATA	ALL JUMPER BETWEEN TB2 4510-XX ANNUNCIATOR MAY TBI AS SHOWN. ACTS RATED: 4 AMPS AT 3 20V MAX. STRANDED TWISTED PAIR W I AND DATA2 TO THE NETW	-2 & TB2-3. 7 BE USED ALSO. 30 VDC VIRES WHEN CONNECTING VORK.		I
	8. TRAN BYPA 9. CONN TERM TRAN 10. CONT 0.60	SFER SWITCH SHOWN CLOSE SS SWITCH SHOWN IN NEUT ECT AN OPEN DRY CONTACT INAL AND COMMON (TB2-8) SFER INHIBIT AND LOAD S ACTS RATED: 2 AMPS AT 3 AMPS AT I20 VAC. R TO 0900-0301 FOR INST	D TO NORMAL RAL POSITION. BETWEEN THE APPLICABL FOR REMOTE TEST, HED. CLOSE TO ACTIVATE VDC OR	E	Н
от	E 9 I 2. USE PROB I 3. THE CHAR LOW LOW OVER BATT AVAI	300-5929. THE INVENTER REMOTE TEN E (0193-0530). FOLLOWING FAILS WILL CA GER ALARM OUTPUT: BATTERY VOLTAGE, HIGH E AC INPUT VOLTAGE, HIGH CURRENT, HIGH CHARGER T ERY FAILURE, HIGH BATTE LABLE ON 2 AMP CHARGER?	APERATURE AUSE A BATTERY BATTERY VOLTAGE, AC INPUT VOLTAGE EMPERATURE, ERY TEMPERATURE (NOT		G
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E IN FEET, BY 0.3 FO	ONE WAY R METERS)	
С	D	E
-	50	_
20	80	5
30	125	10
50	200	15
80	300	25
125	500	40

LAST DATUM LETTER USED: -				LAST REFER	ENCE	LETTE	R USED: -
MODEL/PLATF(	ORM: OTPC/BTPC		ΤH	IS PART IS	SIMIL	_AR T(	D: 0630-1975
UNLESS OTHERWIS	E SPECIFIED THE	FOLLO'	WING S	SHALL APPLY		ANG	. TOL.: ± 1°
DIMENSIONAL TOLERANCES	: X ± I			.X ± 0.8			XX ± 0.38
HOLE SIZE 0.00-4.99 TOL. +0.15/-0.08	HOLE SIZE 5.00- TOL. +0.20/-0	-9.99 ).10	HOLE S TOL	IZE I0.00-I . +0.25/-0.	7.49  3	HOLE S TOL	SIZE  7.50-24.99 +0.30/-0.13
Cummins Inc.						cu	mmins
DIMENSIONS ARE IN: [] ARE IN:	MILLIMETERS -	SIZE:	A1	SCALE:  /			®
DIMENSIONING AND TOLERANCING PER:			$\bigcirc$	$\square$		CAI	D SYSTEM
ASME YI4.5	5M-1994	THIRD	ANGLE	PROJECTION	PTC®	Crea	p® Parametric
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WIRE SIZE	DISTANCE IN FEET, ONE WAY (MULTIPLY BY 0.3 FOR METERS)						
(AWG)	А	В	С	D	E		
16	1000	90	_	50	_		
4	1600	150	20	80	5		
12	2400	225	30	125	0		
0	4000	350	50	200	5		
8	_	600	80	300	25		
6	_	1000	125	500	40		

11	10	9	8	7

	4	3	2	1	ר <b>ב</b>
: V I R R U N N C	E SIZES MUST BE #I-GENSET TO TH REASED IF A BAT	AS FOLLOWS: RANSFER SWITCH-LE FERY CHARGER IS	AD SIZE MUS NSTALLED IN	T BE The switch	
W W L W L	ITH NO BATT CHAR ITH 2 AMP CHARGE EADS I-I, & I-3 ITH I2/I5 AMP CH EADS I-I & I-3 U	RGER-LEADS I-I, - R, MAXIMUM VOLTA USE COL B. ARGER MAXIMUM VO SE COL. C.	2, -3, -4 U GE DROP OF LTAGE DROP (	SE COL A. I.5 VOLTS, DF I.5 VOLTS,	K
W L L T C A N	ITH 2 AMP CHARGE EADS I-I, & I-3 TH I2/I5 AMP CH EADS I-I, & I-3 RETURN A FULLY IPERE-HOUR RATIN	R, MAXIMUM VOLTA USE COL D. ARGER, MAXIMUM V USE COL E. TO ME DISCHARGED BATT G WITHIN 24 HOUR	GE DROP OF ( OLTAGE DROP ET THE NFPAI ERY TO I00% S USE COL. E	O.75 VOLTS, OF 0.75 VOLTS IO REQUIREMEN OF IT'S	J
OR WI IZI O ET	MULTIPLE TRANSFE TCH. DAISY CHAIN E & DISTANCE TO T NOT INSTALL JUMP NEEN TB2-2 & TB2 TACTS RATED: 4 A	R SWITCHES, DUPLIC CONNECTION IS ACC HE LAST SWITCH ME ER BETWEEN TB2-2 -1. MPS AT 30 VDC	CATE RUN #I F EPTABLE PROV ET THE SPECS & TB2-3 OR	FOR EACH IDED WIRE IN NOTE I.	
SE AT RA YP	STRANDED TWISTE AI AND DATA2 TO NSFER SWITCH SHO ASS SWITCH SHOWN NECT AN OPEN DRY	D PAIR WIRES WHE THE NETWORK. WN CLOSED TO NORI IN NEUTRAL POSI CONTACT BETWEEN	N CONNECTING Mal Tion. The applica	NB L E	н
E R R A O N D R U S P R	MINAL AND COMMON NSFER INHIBIT AN TACTS RATED: 2 0.60 AMPS AT I20 E THE INVENTE OBE (0193-053	I (TB2-8). FOR R ID LOAD SHED. CLO AMPS AT 30 VDC VAC. ER REMOTE TEMF 30).	EMOTE TEST, SE TO ACTIVA PERATURE	TE.	G
TH LC LC BA AV	E FOLLOWING F ARGER ALARM ( W BATTERY VOL W AC INPUT V( ERCURRENT, H TTERY FAILURE AILABLE ON 2	FAILS WILL CAU DUTPUT: TAGE, HIGH BA DLTAGE, HIGH A IGH CHARGER TE E, HIGH BATTEF AMP CHARGER).	JSE A BATT Attery vol Ac input v Emperature Ry tempera	ERY TAGE, OLTAGE TURE (NOT	F
					E
					D
					С
	LAST DA MODEL/P UNLESS OTHE DIMENSIONAL TOLER HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - ATFORM: OTPC/BTPC RWISE SPECIFIED THE FOLLO ANCES: X ± 1 1.99 HOLE SIZE 5.00-9.99 TOL. +0.20/-0.10 Cummins Inc.	LAST REFEREN THIS PART IS S WING SHALL APPLY .X ± 0.8 HOLE SIZE I0.00-17. TOL. +0.25/-0.13	ICE LETTER USED: - IMILAR TO: $0630 - 1975$ ANG. TOL.: $\pm 1^{\circ}$ . XX $\pm 0.38$ 49 HOLE SIZE 17.50-24.99 TOL. +0.30/-0.13	В
	DIMENSIONS ARE [] ARE DIMENSIONING A ASME Y 4	IN: MILLIMETERS SIZE: ND TOLERANCING PER: 14.5M-1994 THIR 3	A1 SCALE: 1/1	CAD SYSTEM TC® Creo® Parametric	Α



R E Z E	DISTANCE IN FEET, ONE WAY (MULTIPLY BY 0.3 FOR METERS)					
G)	А	В	С	D	E	
)	000	90	_	50	_	
1	600	150	20	80	5	
2-	2400	225	30	125	0	
)	4000	350	50	200	Ι5	
	-	600	80	300	25	
	_	1000	125	500	40	

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S :				
? E N # C R E I T I T E A I T I E A	SIZES MUST BE A I-GENSET TO TRA ASED IF A BATTE H NO BATT CHARGE H 2 AMP CHARGER, DS I-I, & I-3 US H I2/I5 AMP CHAR DS I-I & I-3 USE	S FOLLOWS: NSFER SWITCH-LEA RY CHARGER IS IN ER-LEADS I-I, -2, MAXIMUM VOLTAGE E COL B. GER MAXIMUM VOLT COL, C.	D SIZE MUST BE STALLED IN THE S -3, -4 USE COL E DROP OF 1.5 VOI TAGE DROP OF 1.5	WITCH. A. _TS, VOLTS,
IT EA ITH EA[ OF MPE	H 2 AMP CHARGER, DS I-I, & I-3 US H I2/I5 AMP CHAR DS I-I, & I-3 US RETURN A FULLY D ERE-HOUR RATING	MAXIMUM VOLTAGE E COL D. GER, MAXIMUM VOL E COL E. TO MEET ISCHARGED BATTER WITHIN 24 HOURS	TAGE DROP OF 0.75 V TAGE DROP OF 0.7 THE NFPAILO REC Y TO 100% OF IT USE COL. E.	JUIREMENT <b>J</b>
TC E R	H. DAISY CHAIN CO B. DISTANCE TO THE NOT INSTALL J BETWEEN TB2-2	NNECTION IS ACCEPT LAST SWITCH MEET UMPER BETWEEN & TB2-1.	THE SPECS IN NOTE THE SPECS IN NOTE THE 2-2 & THE 2-3	E I. B I
SE AT. RA	IACIS RATED: I2OV MAX. STRANDED TWI AI AND DATA2 NSFER SWITCH ASS SWITCH SH	4 AMPS AT 30 Sted Pair Wire To the Networe Shown closed <sup>-</sup> own in Neutrai	ES WHEN CONNEC (. To normal _ position.	CTING <b>H</b>
N N R M A N 6 0 E	ECT AN OPEN DRY INAL AND COMMON SFER INHIBIT AN ACTS RATED: 2 A AMPS AT I20 VA THE INVENTER RE	( CONTACT BETWEE N (TB2-8). FOR ND LOAD SHED. CL AMPS AT 30 VDC ( AC.	EN THE APPLICABI REMOTE TEST, OSE TO ACTIVATI DR	- E E . <b>G</b>
ОВ АР W E R T Т Т	E (0193-0530). FOLLOWING FAILS GER ALARM OUTPL BATTERY VOLTAGE AC INPUT VOLTAG CURRENT, HIGH C ERY FAILURE, HI I ABIF ON 2 AMP	WILL CAUSE A E IT: , HIGH BATTERY E, HIGH AC INPL HARGER TEMPERAT GH BATTERY TEMP CHARGER)	ATTERY VOLTAGE, IT VOLTAGE URE, PERATURE (NOT	F
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	LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLERA HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - ATFORM: OTPC/BTPC RWISE SPECIFIED THE FOLLOW NCES: X ± 1 .99 HOLE SIZE 5.00-9.99 TOL. +0.20/-0.10 Cummine Inc	LAST REFERENCE LETTE THIS PART IS SIMILAR T VING SHALL APPLY ANG .X ± 0.8 HOLE SIZE 10.00-17.49 TOL. +0.25/-0.13	$B^{IR USED: -} \\ \hline 0: 0630 - 1975 \\ \hline 5. TOL.: \pm 1^{\circ} \\ \hline .XX \pm 0.38 \\ \hline SIZE 17.50 - 24.99 \\ \hline + 0.30/ - 0.13 \\ \hline TOL.: \pm 1^{\circ} \\ \hline B$
	DIMENSIONS ARE [] ARE DIMENSIONING AN ASME Y	IN: MILLIMETERS IN: - ID TOLERANCING PER: 4.5M-1994 THIRD	A1 SCALE: 1/1 CA ANGLE PROJECTION PTC <sup>®</sup> Crea	® DSYSTEM p® Parametric



VIRE SIZE	DISTANCE IN FEET, ONE WAY (MULTIPLY BY 0.3 FOR METERS)							
AWG)	А	В	С	D	E			
6	000	90	_	50	_			
4	600	50	20	80	5			
12	2400	225	30	125	0			
()	4000	350	50	200	Ι5			
8	_	600	80	300	25			
6	_	1000	125	500	40			

	4	3	2	1
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RE N : CRI WI <sup>-</sup> NIT	SIZES MUST BE AS FI-GENSET TO TRANS ASED IF A BATTERY H NO BATT CHARGER H 2 AMP CHARGER, DS I-I & I-3 USF	FOLLOWS: SFER SWITCH-LEAD Y CHARGER IS INS R-LEADS I-I, -2, MAXIMUM VOLTAGE	SIZE MUST BE TALLED IN THE SW -3, -4 USE COL A DROP OF I.5 VOLT	ітсн. 4. <b>К</b> -S, <b>К</b>
N I T _ E A N I T _ E A	H 12/15 AMP CHARG DS I-I & I-3 USE H 2 AMP CHARGER, DS I-I, & I-3 USE	GER MAXIMUM VOLTA COL. C. MAXIMUM VOLTAGE COL D.	AGE DROP OF 1.5 V DROP OF 0.75 VOL	OLTS,
V I T <u>-</u> E A - O A M P	H I2/I5 AMP CHARG DS I-I, & I-3 USE RETURN A FULLY DI ERE-HOUR RATING W	ER, MAXIMUM VOLT COL E. TO MEET SCHARGED BATTERY ITHIN 24 HOURS U	AGE DROP OF 0.75 THE NFPAIIO REQU TO 100% OF IT'S ISE COL. E.	volts, irement <b>J</b>
R M ITC ZE	ULTIPLE TRANSFER S H. DAISY CHAIN CON & DISTANCE TO THE	SWITCHES, DUPLICA INECTION IS ACCEP LAST SWITCH MEET	TE RUN #I FOR EACH TABLE PROVIDED WIF THE SPECS IN NOTE	H RE E I.
	NOT INSTALL JU WEEN TB2-2 & T TACTS RATED: 4	JMPER BETWEEN 182-1. 4 AMPS AT 30 Y	TB2-2 & TB2- VDC	3 OR
R S E A T	STRANDED TWIS	STED PAIR WIRI	ES WHEN CONNE	CTING
R A Y P	NSFER SWITCH S ASS SWITCH SHC	SHOWN CLOSED DWN IN NEUTRAI	TO NORMAL _ POSITION.	H
ONN ERN RAN	IECT AN OPEN DRY 1INAL AND COMMON ISFER INHIBIT AN	CONTACT BETWE (TB2-8). FOR D LOAD SHED. C	EN THE APPLICAB REMOTE TEST, LOSE TO ACTIVAT	LE
on R	TACTS RATED: 0.60 AMPS AT	2 AMPS AT 30 120 vac.	VDC	G
S E R O I H F	THE INVENTER RE 3E (0193-0530).	EMOTE TEMPERATU	RE	
HA OW OW VE AT VA	GER ALARM OUTPU BATTERY VOLTAGE AC INPUT VOLTAG CURRENT, HIGH C FERY FAILURE, HI ILABLE ON 2 AMP	JT: E, HIGH BATTERY GE, HIGH AC INP CHARGER TEMPERA GH BATTERY TEM CHARGER).	VOLTAGE, UT VOLTAGE TURE, PERATURE (NOT	F
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	LAST DATU	M LETTER USED: -	LAST REFERENCE LETTE	RUSED: -
	MODEL/PLAT UNLESS OTHERW DIMENSIONAL TOLERANC HOLE SIZE 0.00-4.9 TOL +0 15/-0.08	TFORM:       OTPC/BTPC         VISE       SPECIFIED       THE       FOLLOW         CES:       X       ±       I         99       HOLE       SIZE       5.00-9.99       I         3       TOI       +0.207-0.10       I0	THIS PART IS SIMILAR T VING SHALL APPLY ANG .X ± 0.8 HOLE SIZE 10.00-17.49 HOLE S TOL. +0.25/-0 13	$\begin{array}{c} 0: & 0630 - 1975 \\ \hline & TOL.: \pm 1^{\circ} \\ \hline & XX \pm 0.38 \\ \hline & SIZE & 17.50 - 24.99 \\ \hline & & +0.30/ - 0 & 13 \end{array} \hspace{1.5cm} B$
	DIMENSIONS ARF I	Cummins Inc.		mmin5
	E J ARE I DIMENSIONING AND ASME Y 14	N: - SIZE: TOLERANCING PER: 4.5M-1994 THIRD	AI SCALE: 1/1 CA ANGLE PROJECTION PTC <sup>®</sup> Crea	© BYSTEM p® Parametric A

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: S # I I N I 2 ) S I I	IZES MI -GENSE ATTERY O BATTI AMP B/ I-I ANI 2/I5 AI	UST BE AS FO T TO TRANSFE CHARGER IS ERY CHARGER- ATTERY CHARG D I-3 USE CO MP BATTERY C	OLLOWS: TR SWITCH-LEAD INSTALLED IN LEADS I-I, I- GER, MAXIMUM V OLUMN B. CHARGER, MAXIM	SIZE THE T 2, I- OLTAG UM VC	E MUST BE I RANSFER SW 3, I-4 AND GE DROP OF DLTAGE DROP	NCREASED ITCH ENC I-5 USE I.5 VOLT OF I.5	LOSURE. COLUMN A. S, VOLTS,	K
) S   A ) S         S   E T     N	I-I ANI 2 AMP I-I ANI 2/I5 AN I-I ANI URN A I 24 HOI	D I-3 USE CO BATTERY CHA D I-3 USE CO MP BATTERY O D I-3 USE CO FULLY DISCHA URS.	DLUMN C. NRGER, MAXIMUM DLUMN D. CHARGER, MAXIM DLUMN E. COLUM NRGED BATTERY	VOLT UM VC N E M TO IO	AGE DROP O LTAGE DROP MEETS THE N ON OF ITS	F 0.75 V OF 0.75 FPAIIO R AMP-HOUR	OLTS, VOLTS, EQUIREMENT RATING	J
MU Y HE IEC - 8 E	LTIPLE CHAIN ( LAST S T AN OF ). FOR TO ACT	TRANSFER SW CONNECTION I SWITCH MEET PEN DRY CONT REMOTE TEST IVATE.	VITCHES, DUPLI S ACCEPTABLE THE SPECS IN ACT BETWEEN T , TRANSFER IN	CATE PROVI NOTE HE AP HIBIT	RUN #I FOR DED WIRE S I. PPLICABLE T AND LOAD	EACH SW IZE AND ERMINAL SHED,	VITCH. DISTANCE AND COMMON	
AL ISF TI MU	L JUMPI ER SWI <sup>T</sup> ON. MODULE M.	ER BETWEEN T TCH SHOWN CL CONTACTS RA	B2-I AND TB2- OSED TO NORMA TED 2 AMPS AT	2. L, BY 30 V	PASS SWITC DC OR 0.60	H SHOWN AMPS AT	IN NEUTRAL 120 VAC	Н
INC IT N IN XI	IATOR IS PROCETWORK THE GI MUM WII	ION IS MADE AND ATS DOES GRAMMED "EPS ENSET CONTRO RE SIZE OF I TO TBI-4 THF	NOT HAVE NET S NOT HAVE NET S SUPPLYING LO 2 AWG. WIRE M RU TBI-7 IN TH	ON DI WORK AD" A TRANS UST B E GEN	SPLAY IS D INTERFACE. AND BOUND T SFER SWITCH BE STRANDED ISET CONTRO	UTHE CON O ANNUNC WILL AC L ARE FC	N REMOTE FIGURABLE TATOR CEPT OR CUSTOMER	G
AN ET FU ER O S WO	D MAY E CONTRO EL IS I TO CUN PERATIO TRANDEI RK, PAN	BE CONFIGURE DL. REQUIRED FOF MMINS 0900-C DN MANUAL, F D TWISTED PA RT NO. 0334-	D TO DISPLAY NFPAILO COMP 529, POWERCOM OR WIRING INS NR WIRES WHEN 1350 OR EQUIV	CUSTC LIANC MAND TRUCT CONN ALENT	DM ALARM ME CE. FT-IO NETW TIONS, WIRE NECTING DAT	SSAGES C ORK INST SIZE AN A I AND	ALLATION D LENGTH. DATA 2 TO	F
E R 90 - ST T. IMU 00 -	TO CUN 5929 OV ED PAIN UP TO NICATIO 5929 AN	MMINS 0900-C WNER MANUAL, R OR CAT 5 C 20 NODES CA ONS WIRE COM NNUNCIATOR C RSION 2 400	OBDI, POWERCOM FOR INSTALLA CABLE. TOTAL N N BE CONNECTE INECTED TO THE COMMUNICATION	MAND TION ETWOR D TO GENS ONLY	UNIVERSAL INSTRUCTIO RK LENGTH C THE NETWOR GET SHOULD AVAILABLE	ANNUNCIA NS. USE ANNOT EX K. (NOTE BE STRAN WITH PCC	TOR 18 AWG CEED 4000 : ANY DED CABLE) 2100	Ε
TE 0 TE 0 - TE	RY CHAI 300-325 RY CHAI 6026 (7 RY TEMI	RGER CONTACT 57 (IOA I2V) RGER COMMON 2A) AND 0300 PERATURE SEN	S RATED 4 AMP AND 0300-329 ALARM CONTACT 5878 (12A/15 ISOR, 0193-053	S AT 8 (10 RATE A) CH 0, CA	30 VDC OR DA 24V) CHA ED 2 AMPS A HARGERS. AN BE USED	I20 VAC RGERS. T 30 VDC ON THE 0	MAXIMUM ON ON THE 300-6026	D
() F 0 - / B i H / A i H	AND 030 OLLOWII 6026 (7 ATTERY BATTERY C INPU AC INPU	00-5878 (12A NG FAILS WIL 2A) AND 0300 VOLTAGE Y VOLTAGE T VOLTAGE UT VOLTAGE	L CAUSE A BAT - 5878 (I2A/I5 O H B H	ĆHĂR TERY A) CH VERCU IGH C ATTER IGH B	RGERS. CHARGER AL IARGERS: JRRENT CHARGER TEM RY FAILURE BATTERY TEM	ARM OUTP PERATURE PERATURE	UT ON THE	С
		LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLERA HOLE SIZE 0.00-4 TOL. +0.15/-0.	( ATFORM: OTPC/BTPC RWISE SPECIFIED THE NCES: X ± 1 .99 HOLE SIZE 5.00 08 TOL. +0.20/-1	NOT A FOLLOV	AVAILABLE O LAST REFE THIS PART IS WING SHALL APPL .X ± 0.8 HOLE SIZE I0.00- TOL. +0.25/-0	N 0300-6 RENCE LETTE S SIMILAR T Y ANG HOLE .13 HOLE	$\frac{026}{0.26}$ ER USED: - $0: 0630 - 1975$ $6. TOL.: \pm 1^{\circ}$ $.XX \pm 0.38$ $SIZE 17.50 - 24.99$ $L. + 0.30/ - 0.13$ $mmin^{5}$	В
		DIMENSIONS ARE [] ARE DIMENSIONING AN ASME YI	IN: MILLIMETERS IN: - D TOLERANCING PER: 4.5M-1994 <b>3</b>	SIZE:	A1 SCALE: 1/1	CA PTC® Cree	® DSYSTEM p® Parametric	A

![](_page_7_Figure_0.jpeg)

S I Z E			(MULTIPLY	BY 0.3 F	OR METERS)	
(AWG	; )	А	В	С	D	E
16		0 0 0	90	-	50	-
4		600	150	20	80	5
12		2400	225	30	125	0
10		4000	350	50	200	5
8		-	600	80	300	25
6		_	1000	125	500	40

10	9	8	7	6	5

	4	3	2	1	L
S   #	ZES MUST BE AS I-GENSET TO TR	FOLLOWS: ANSFER SWITCH-L	EAD SIZE MUST	BE .	
RE H DS H DS	ASED IF A BATTE NO BATT CHARGE 2 AMP CHARGER, 1-1, & 1-3 US 12/15 AMP CHAR 1-1 & 1-3 USE 2 AMP CHARGER,	ERY CHARGER IS R-LEADS I-I, -2 MAXIMUM VOLTAG E COL B. GER MAXIMUM VOL COL. C. MAXIMUM VOLTAG	INSTALLED IN T 2, -3, -4 USE ( GE DROP OF I.5 _TAGE DROP OF GE DROP OF 0.7	HE SWITCH. COL A. VOLTS, I.5 VOLTS, 5 VOLTS,	K
DS H DS RE ER PC NA 7.	I-I, & I-3 US I2/I5 AMP CHARGE I-I, & I-3 USE TURN A FULLY DIS E-HOUR RATING W NETWORK CARD L BATTERY-BACK 2I (B+) AND P2	E COL D. ER, MAXIMUM VOLT COL E. TO MEET SCHARGED BATTERY ITHIN 24 HOURS L IS USED, YOU ML ED POWER TO OTP 7.22 (GND).	AGE DROP OF 0. THE NFPAIIO REC TO 100% OF IT JSE COL. E. JST CONNECT B+ PC/BTPC DIGITAL	75 VOLTS, QUIREMENT S OR BOARD	J
TI DI CT NA FE	PLE TRANSFER SWIT AISY CHAIN CONNEC STANCE TO THE LAS AN OPEN DRY CC L AND COMMON (T R INHIBIT AND L	CHES, DUPLICATE R TION IS ACCEPTABL ST SWITCH MEET THE ONTACT BETWEEN B2-8). FOR REN OAD SHED. CLOSI	UN #I FOR EACH E PROVIDED WIRE SPECS IN NOTE I THE APPLICABLE MOTE TEST, E TO ACTIVATE.		I
AC 20 R AL RU TE	TS RATED: 4 A V MAX. TO CUMMINS 90 LATION & OPER CTIONS, WIRE D PAIR WIRES WORK. PART #	MPS AT 30 VDC 0-0529 POWERC ATION MANUAL SIZE, AND LEN WHEN CONNECTI 0334-1350 OR	OMMAND NETWOI FOR WIRING GTH. USE STR NG DATAI AND EQUAL.	R K A N D E D D A T A 2	Н
TS AL UM EE	FOR CUSTOMER REQUIRED TO PER IS REQUIR N TB2-2 & TB2	FAULTS. GROU ACTIVATE INPL RED BETWEEN TB 2-3.	NDED JT (MAX 50 MA 2-1 & TB2-2 (	.) DR	G
LL CH SF SS AC	-MOUNTED CHARGER ARGER DIRECTLY ER SWITCH SHC SWITCH SHOWN TS RATED: 2 0 AMPS AT 120	AMPS AT 30 VD	CT B+ AND GND ARTER. NORMAL TION.	Π.	F
	ONNECTION TO I TERMINALS MUST EMERGENCY STO BETWEEN TB8-1 OR 240VAC AT	NITIATE EMERGE BE SHORTED TO P OPTION NOT U AND TB8-2 NOT 50W.	NCY STOP. GETHER IF SED. JUMPER SUPPLIED WITH	UNIT.	E
THE THE SEF	ER SUPPLIED EI SIGNAL 20ma @ EINVENTER REM COI93-0530). LOWING FAILS R ALARM OUTPUT FTERY VOLTAGE,	<pre>VILL CAUSE A B HIGH BATTERY </pre>	VDC RELAYS E ATTERY VOLTAGE,		D
a C 2 U F 2 R ` 2 A E	RENT, HIGH CH FAILURE, HIG BLE ON 2 AMP C	, HIGH AC INPU ARGER TEMPERAT H BATTERY TEMP HARGER).	URE, ERATURE (NOT		С
	LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLERA HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED:ATFORM: OTPC/BTPCRWISE SPECIFIED THE FOLLOANCES:X $\pm$ I1.99HOLE SIZE 5.00-9.9908TOL. +0.20/-0.10	LAST REFERENCE LET THIS PART IS SIMILAR WING SHALL APPLY A .X ± 0.8 HOLE SIZE 10.00-17.49 HOLE TOL. +0.25/-0.13	TER USED: - TO: 0630-1975 NG. TOL.: ± 1° .XX ± 0.38 SIZE 17.50-24.99 OL. +0.30/-0.13	В
	DIMENSIONS ARE	IN: MILLIMETERS SIZE:	A1 SCALE: 1/1		
	ASME Y	14.5M-1994 THIRD	ANGLE PROJECTION PTC <sup>®</sup> Cr	eo® Parametric	А
	4	<u> </u>	<b>Z</b>	1	

![](_page_8_Figure_0.jpeg)

MOUNTED     IN     OTPC/BTPC     CABINET       Image: State of the st	OTPC & BTPC	UTILITY TO GENSET
NOTE: TB3, JI4 AND JI5 ARE OPTIONAL AND ARE ONLY PROVIDED WHEN NEEDED FOR INSTALLED OPTIONS	MOUNTED IN OTPC/BTPC CABINET TB3 TB3 TB3 TB3 TB3 TB3 TB3 TB	REAR WALL OF CABINET

WIRE SIZE		DISTANCE (MULTIPLY	E IN FEET, BY 0.3 FO	ONE WAY R METERS)	
(AWG)	А	В	С	D	E
16	1000	90	-	50	-
4	1600	150	20	80	5
2	2400	225	30	125	0
0	4000	350	50	200	15
8	-	600	80	300	25
6	_	1000	125	500	40

		10	9	8	7	6	5
--	--	----	---	---	---	---	---

	4	3		2		1 L
NOTE I.W F	ES: VIRE SIZES MUS RUN #I-GENSET	ST BE AS FOLLOWS TO TRANSFER SW	S: ITCH-LEA[	) size mus	ST_BE	
	INCREASED IF A WITH NO BAT WITH 2 AMP LEADS I-I, WITH I2/I5 LEADS I-I & WITH 2 AMP	A BATTERY CHARGI T CHARGER, MAXIMU &I-3 USE COL B. AMP CHARGER MAX I-3 USE COL. C CHARGER, MAXIMU	ER IS INS I-I, -2 M VOLTAG IMUM VOL M VOLTAG	STALLED IN , -3, -5, E DROP OF TAGE DROP E DROP OF	N THE SWITCH -6 USE COL I.5 VOLTS, OF I.5 VOL 0.75 VOLTS	н. А. K TS,
2. F 3. F	LEADS I-I, WITH I2/I5 A LEADS I-I, 8 TO RETURN A AMPERE-HOUR RUN #2-GENSET	&I-3 USE COL D. AMP CHARGER, MAX & I-3 USE COL E FULLY DISCHARGI RATING WITHIN A TO ANNUNCIATOR TRANSFER SWITCH	XIMUM VOL . TO MEE ED BATTEF 24 HOURS -ALL LEAI ES, DUPL	TAGE DROP T THE NFPA RY TO 1003 USE COL. DS, USE CO ICATE RUN	POF0.75 VO AIIO REQUIRI & OFIT'S E. DL. A #I FOR EAC	DLTS, Ement J
4. 5. ( 6. l	SWITCH. DATST SIZE & DISTANC INSTALL JUMPE CONTACTS RATE DR I2OV MAX. USE STRANDED DATAI AND DAT	CE TO THE LAST R BETWEEN TB2-I D: 4 AMPS AT 30 TWISTED PAIR WI A2 TO THE NETWO	SWITCH MI & TB2-2 VDC RES WHEN PRK.	CONNECTI	PROVIDED WI PECS IN NOT	EI.
9.	BYPASS SWITCH CONNECT AN OP TERMINAL AND TRANSFER INHI CONTACTS RATE 0.60 AMPS AT	CH SHOWN CLOSED SHOWN IN NEUTR EN DRY CONTACT COMMON (TB2-8). BIT AND LOAD SH D: 2 AMPS AT 30 I20 VAC.	AL POSIT BETWEEN FOR RE ED. CLOS VDC OR	AL ION. THE APPLI MOTE TEST E TO ACTI	CABLE , VATE.	H
	REFER TO 0900 OF 0300-5929. USE THE INVEN PROBE (0193-0 THE FOLLOWING CHARGER ALARM LOW BATTERY V LOW AC INPUT OVERCURRENT	TER REMOTE TEMP 530). FAILS WILL CAU OUTPUT: OLTAGE, HIGH BA VOLTAGE, HIGH A HIGH CHARGER TE	ERATURE SE A BAT TTERY VO C INPUT MPERATUR	TERY LTAGE, VOLTAGE F		G
I 3. M C C C S	BATTERY FAILU AVAILABLE ON NETWORK CONNEC CAT 5 CABLE. EXCEED 4000 FE CONNECTED TO COMMUNICATIONS SHOULD BE STRA	RE, HIGH BATTER 2 AMP CHARGER). CTIONS: 18 GA TV TOTAL NETWORK LI EET. UP TO 20 NO THE NETWORK. (NO S WIRE CONNECTEI ANDED CABLE.)	Y TEMPER NISTED PA ENGTH CAN DDES CAN DTE: ANY D TO THE	ATURE (NO AIR OR NNOT BE GENSET	Τ	F
						E
						D
						С
	LAST DAT MODEL/PL UNLESS OTHE DIMENSIONAL TOLERA HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - ATFORM: OTPC/BTPC RWISE SPECIFIED THE F NCES: $X \pm 1$ .99 HOLE SIZE 5.00-9 08 TOL. +0.20/-0.	L THIS FOLLOWING SH	AST REFERENC S PART IS SIN HALL APPLY X ± 0.8 ZE 10.00-17.49 +0.25/-0.13	E LETTER USED: AILAR TO: 0630- ANG. TOL.: .XX ± 0. HOLE SIZE 17.50 TOL. +0.30/-	- 1975 ± 1° 38 1-24.99 0.13 B
	DIMENSIONS ARE	IN: MILLIMETERS S IN: -	U.	SCALE: 1/1		0
	ASME Y	14.5M-1994	THIRD ANGLE P	PTI ROJECTION PTI	CAU SISIEM C <sup>®</sup> Creo <sup>®</sup> Param	etric A
	-	J		2		1

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

W I R E S I Z E	DISTANCE IN FEET, ONE WAY (MULTIPLY BY 0.3 FOR METERS)						
(AWG)	А	В	С	D	E		
16	1000	90	-	50	-		
4	1600	150	20	80	5		
12	2400	225	30	125	0		
10	4000	350	50	200	Ι5		
8	_	600	80	300	25		
6	_	1000	125	500	40		

10	9	8	7	6	5

4		3	2		1	L
NOTES: I. WIRE SIZES RUN #I-GEN INCREASED	5 MUST BE AS ISET TO TRANS IF A BATTER	FOLLOWS: SFER SWITCH ( CHARGER IS	-LEAD SIZE M S INSTALLED	1UST BE IN THE S	SWITCH	
WITH NO WITH 2 / LEADS I	BATT CHARGE AMP CHARGER, -I, &I-3 USE	R-LEADS I-I MAXIMUM VO COL B.	, -2, -3, LTAGE DROP (	5, -6 US DF 1.5 V	E COL A. OLTS,	K
WITH 12, LEADS 1 WITH 2, LEADS 1	/I5 AMP CHAR -I & I-3 USE AMP CHARGER, -I &I-3 USE	GER MAXIMUM COL. C. MAXIMUM VO	VOLTAGE DRO LTAGE DROP (	DP OF I. DF 0.75	5 VOLTS, VOLTS,	
WITH 12/ LEADS 1- TO RETUR AMPERE-F	1, & I J USL 1, & I-3 USE N A FULLY D OUR RATING V	GER, MAXIMUI E COL E. TO ISCHARGED BA VITHIN 24 HO	M VOLTAGE DR MEET THE NF ATTERY TO IC DURS USE COL	ROP OF 0. PAIIO RE DO% OF IT	.75 VOLTS, EQUIREMENT F´S	J
3. FOR MULTIF SWITCH. DA	PLE TRANSFER AISY CHAIN CO STANCE TO TH	SWITCHES, SWITCHES, ONNECTION I E LAST SWIT	UPLICATE RU S ACCEPTABLE CH MEET THE	JN #I FOI PROVIDI SPECS II	R EACH ED WIRE N NOTE I.	
4. INSTALL JU 5. CONTACTS F OR I20V MA	JMPER BETWEE RATED: 4 AMP AX.	N TB2-I & T S AT 30 VDC	B2-2.			Ι
6. USE STRANI DATAI AND 7. TRANSFER	DED TWISTED DATA2 TO TH SWITCH SHOWN	PAIR WIRES E NETWORK. CLOSED TO	when connec <sup>-</sup> Normai	TING		•
BYPASS SW 8. CONNECT A TERMINAL	ITCH SHOWN I N OPEN DRY C AND COMMON (	N NEUTRAL P ONTACT BETW TB2-8). FC	OSITION. EEN THE APP R REMOTE TE	LICABLE ST,	-	
TRANSFER 9. CONTACTS 0.60 AMPS	INHIBIT AND RATED: 2 AMP AT I20 VAC.	LOAD SHED. S AT 30 VDC	CLOSE TO AC OR	TIVATE.		Н
IO. REFER TO OF 0300-5	0900-0301 FO 929. NVENTER REMO	R INSTALLAT te temperat	I O N U R E			
PROBE (01) 12. THE FOLLO ALARM OUT	WING FAILS W PUT:	ILL CAUSE A	BATTERY CH.	ARGER		G
LOW BATTE LOW AC IN OVERCURRE BATTERY F.	RY VOLTAGE, PUT VOLTAGE, NT, HIGH CHA AILURE, HIGH	HIGH BATTER HIGH AC IN RGER TEMPER BATTERY TE	Y VOLTAGE, PUT VOLTAGE ATURE, MPERATURE (I	NOT	-	
AVAILABLE 13. NETWORK CC CAT 5 CABI EXCEED 400	ON 2 AMP C DNNECTIONS: _E. TOTAL NE	HARGER). 18 GA TWIST TWORK LENGT TO 20 NODES	ED PAIR OR H CANNOT CAN BE			F
CONNECTED COMMUNICA MUST BE S	TO THE NETW TIONS WIRE C TRANDED CABL	ORK. (NOTE: ONNECTED TO E.)	ANY THE GENSET			
LEAST 5 AM	MP FUSE, WIR	E SIZE, USE	COL.A.			F
						C
						D
						С
LA	ST DATUM LETTER	USED: -	LAST REFER	ENCE LETTER	8 USED: -	
MO UNLES DIMENSIONAL HOLE SIZE TOL. +0	DEL/PLATFORM: OT SOTHERWISE SPEC TOLERANCES: 0.00-4.99 .15/-0.08 HOLE TOL	PC/BTPC IFIED THE FOLLO X ± 1 SIZE 5.00-9.99 . +0.20/-0.10	THIS PART IS <u>NING SHALL APPLY</u> <u>.X ± 0.8</u> HOLE SIZE 10.00-1 TOL. +0.25/-0.	SIMILAR TO ( ANG. 7.49 HOLE S 13 TOL	: 0630-1975 TOL.: ± 1° XX ± 0.38 IZE 17.50-24.99 .+0.30/-0.13	В
DIMENSION	LIS ARE IN: MILL	nins Inc.		Cur	nmin <sup>5</sup>	
L DIMENSION AS	] ARE IN: - ING AND TOLERANC	ING PER: 4	AI SCALE: 1/1	CAD PTC® Creo	® SYSTEM Parametric	А
4		3	2		1	

NEPA 704	ARTICIF 7	70010(Г	))(3)(0)	1 P I I A N T								
GENERATOF CUMMINS F	PCC 1302,	PCC230	0, PCC33			SINGLE #	ATS CONFI	GURATION				
GENERATOF	R SET CON	NTROLS					TRANSFER SWITCH	Η				
	GENERATOR S	SET			MOUN <sup>-</sup> ON (	ED IN CABINET PTIONS PLATE		REAR V	WALL OF CABINET			
GEN	IERATOR CON	TROL CUSTOMER I/O			60	TB 3 60 3		SW	ITCH MECHANISM			
	R REMOTE S CONFIGURABLE I CONFIGU	REMOTE START	-     - 2   - 3					-2 -2 -2 -2 -2 -2 -2 -2 -2 -2	2			
								5 REMOT 6 TRANS 7 LOAD 8 COMMO	E TEST FER INHIBIT SHED N			
		STARTER	B +									
		JIANILI	GND					ΝΛΤΓς,				
								THESE PH CUSTOMER BOARDS CO 2. FOR BTPC TB2-4 CO 3. TB3-60 IS	YSICAL CONNECTIO INPUTS AVAILABL ONFIGURED FOR FU E,F,G,H,J (1200 NNECTIONS SUCH T S FACTORY WIRED	ONS CAN BE ANY E FROM THE GEN INCTION POINTER A-4000A), REVE HAT TB2-4 CONN TO ATS CONTROL	OF THE ONBOARD CONFIG NSET CONTROL BOARD OR R "START SIGNAL INTEGR ERSE THE TRANSFER SWIT NECTS TO GENSET I/O CO L PCB J27-I0. SEE TRAN	URABLE AUX IOI OR IO2 ITY". CH TB2-2 AND MMON. SFER SWITCH W
								DIAGRAM ( 4. REFERENCI	CUSTOMER CONNECT E TECHNICAL SERV	IONS PAGE FOR ICE BULLETIN T	DETAILS FSB180133 FOR ADDITION	AL INFORMATION
							LAST DATUM LETT MODEL/PLATFORM:	TER USED: - L : OTPC/BTPC THIS	AST REFERENCE LETTER USED S PART IS SIMILAR TO: 0630	0: - 0-1975 DIMENSIONS A	Cummins Inc.	

![](_page_10_Figure_4.jpeg)

16	15	14	13	12	11	10	9	8	7	6	5	4
N F P A G E N E F	70 ARTICLE 7 Rator control	700.10(D _ WIRING	)(3) COM	PLIANT								
GENER	ATOR SET CON	TROLS	JU, FUU J	> > 0 0				D	UAL ATS C	ONFIGUR	ATION	
						Ţ	RANSFER SV	VITCH-I				T R A N S F
	GENERATOR SE	T			MOUNTE ON OP	D IN CABINET TIONS PLATE		REAR WALL	OF CABINET		MOUNTED IN CABIN ON OPTIONS PLAT	E T E
	GENERATOR CONTR	OL			- 6 60	TB 3 60		SWITCH	H MECHANISM	2 - 1	TB3 - 60 60	
	CUS REMO REMOTE STAR CONFIGURABLE INPU	TOMER I/O	   - 2   - 3			KGS 	- 5	TB2 I GND 2 1-4 3 B+		2 - 2	KGS	
	CONFIGURAB				1-2 32 44	$\frac{1}{1}$		2 4 RMT 5 REMOTE T 6 TRANSFER 7 LOAD SHE 8 COMMON	EST INHIBIT D	- 2	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	- 3
						<u>&gt;</u>   - 4				2 - 1		- 4
		STARTER GN	D   - 5									
											NOTES: I. THESE P CUSTOME BOARDS 2. FOR BTP 3. KGS IS LI0I-7	HYSICAL CONNECTION R INPUTS AVAILABLE CONFIGURED FOR FUN C E,F,G,H,J (I200A NOT PROVIDED STAND OR L20I-7 WHEN CON
											<u>24.</u> 183-60 DIAGRAM 5. REFEREN	CUSTOMER CONNECTI
												LAS MOD UNLESS DIMENSIONAL HOLE SIZE TOL. +0.
												DIMENSIONS E DIMENSIONI ASM
16	15	14	13	12	11	10	9	8	7	6	5	4

![](_page_11_Figure_3.jpeg)

![](_page_11_Picture_4.jpeg)

6	5	4	3	2	1				
						L			
						K			
NFIGURA	TION	T R A N S F E R	SWITCH-2			J			
2 - 1	MOUNTED IN CABINE ON OPTIONS PLATE TB3 60 60	T	RE	AR WALL OF CABINE SWITCH MECHANIS	T	I			
2 - 2	KGS		TB2 I-5 I G 2 I-4 3 B	N D +		Η			
	1-2     2     3     5+       1-2     3     1-3       1-2     3     1-3       1-3     5     REMOTE TEST       6     TRANSFER INHIBIT       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1								
2-1		- 4				F			
						Ε			
	NOTES: I. THESE PH CUSTOMER BOARDS C 2. FOR BTPC 3. KGS IS N LI0I-7 O 4. TB3-60 L	YSICAL CONNECTIONS CA INPUTS AVAILABLE FRO ONFIGURED FOR FUNCTIO E,F,G,H,J (1200A-400 OT PROVIDED STANDARD. R L201-7 WHEN CONFIGU S FACTORY WIRED TO AT	N BE ANY OF THE ONBOA M THE GENSET CONTROL N POINTER "START SIGN OA), JUMPER GND TO TE RELAY CAN BE ORDERED RING PRODUCT OR AS AN S CONTROL PCB J27-10.	RD CONFIGURABLE BOARD OR AUX IOI OR I IAL INTEGRITY". 2-4 INSTEAD OF TB2-2. BY SELECTING FEATURE ACCESSORY KIT. SEE TRANSFER SWITCH	02 : 	D			
	5. REFERENC	CUSTOMER CONNECTIONS	PAGE FOR DETAILS. ULLETIN TSB180133 FOR	ADDITIONAL INFORMATI	ON.	С			
		LAST DA MODEL/PI UNLESS OTHE DIMENSIONAL TOLER HOLE SIZE 0.00-4 TOL. +0.15/-0.	TUM LETTER USED: - ATFORM: OTPC/BTPC RWISE SPECIFIED THE FOLLC ANCES: $X \pm 1$ .99 HOLE SIZE 5.00-9.99 O8 TOL. +0.20/-0.10 Cummine Inc	LAST REFERENCE LETTI THIS PART IS SIMILAR T WING SHALL APPLY AND .X ± 0.8 HOLE SIZE I0.00-17.49 TOL. +0.25/-0.13 TO	ER USED: - TO: 0630-1975 G. TOL.: ± 1° .XX ± 0.38 SIZE 17.50-24.99 L. +0.30/-0.13	В			
6	5	DIMENSIONS ARE [] ARE DIMENSIONING AN ASME Y	CUIIIIIIIIS INC. IN: MILLIMETERS SIZE: IN: - D TOLERANCING PER: 4.5M-1994 THIRD	A1 SCALE: 1/1 CA ANGLE PROJECTION PTC® Crea	TRUE ® D SYSTEM o® Parametric 1	A			