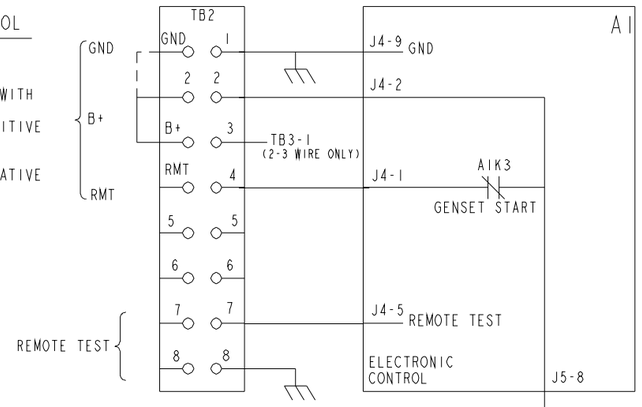
| 0626-2252 | D | Pro/ENGINEER | 2D ONLY DWG |
|---|---|---|---|

| REL NO | LTR | NO | REVISION | ZONE | DR | CHKR | APPROVED | DATE |
|---|---|---|---|---|---|---|---|---|
| FRD21067 | F | 1 | REDRAWN ON PROE | - | SDM | IAM | MILLER | 08-01-04 |
| | | 2 | ADDED OPTIONAL BATTERY CHARGER | 2B | SDM | IAM | MILLER | 08-01-04 |
| | | 3 | ADDED NOTES 9 & 10 | 2C | SDM | IAM | MILLER | 08-01-04 |

# CUSTOMER CONNECTIONS

## TO ENGINE GENERATOR CONTROL

WIRE TO LIKE TERMINALS ON ANY GENSET EXCEPT AIR COOLED SETS WITH THREE WIRE CONTROL.
FOR GENSET CONTROLS WITH A POSITIVE START SIGNAL CONNECT A JUMPER BETWEEN TB2-2 AND TB2-3.
FOR GENSET CONTROLS WITH A NEGATIVE START SIGNAL CONNECT A JUMPER BETWEEN TB2-2 AND TB2-1.



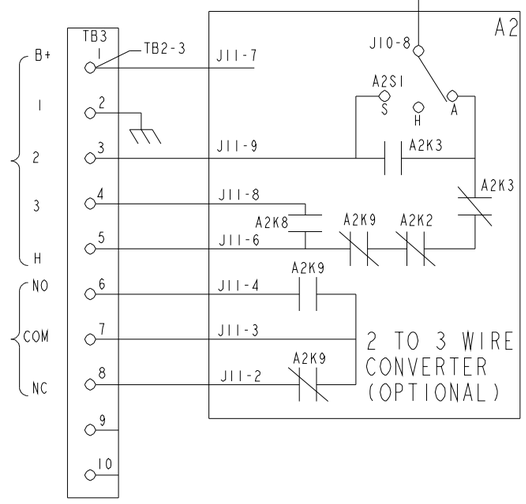

## OPTIONAL: 2-3 WIRE CONVERTER

FOR AIR COOLED GENSETS WITH THREE WIRE CONTROL ONLY.

CONNECT TO LIKE TERMINALS ON THE ENGINE GENERATOR CONTROL.

WHEN USING THIS OPTION, DO NOT CONNECT GENSET START WIRES TO TB2-1,2,3 OR 4.
FOR GENSET CONTROLS WITH A POSITIVE START SIGNAL CONNECT A JUMPER BETWEEN TB2-2 AND TB2-3.
FOR GENSET CONTROLS WITH A NEGATIVE START SIGNAL CONNECT A JUMPER BETWEEN TB2-2 AND TB2-1.

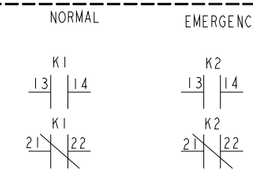
OVERCRANK ALARM CONTACT
CONTACT RATING:
4 AMPS AT 30 VDC, 120 VAC
CONTACTS SHOWN BEFORE OVERCRANK SIGNAL




## AUXILIARY CONTACTS

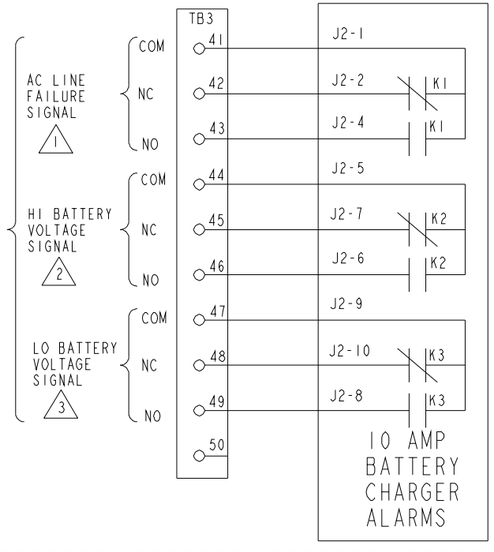
SHOWN WITH TRANSFER SWITCH IN NEUTRAL POSITION.
SEE SHEET 4 FOR LOCATION.

CONTACT RATING:
10 AMPS AT 600 VAC

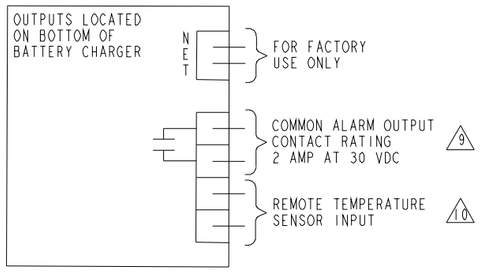



## OPTIONAL: 10 AMP BATTERY CHARGER ALARMS

CONTACTS RATED:
4 AMPS AT 30 VDC OR 120VAC MAX




## OPTIONAL: BATTERY CHARGER ALARM 2 AMP, 12 AMP, 15 AMP (F2)




NOTES:

1. SHOWN WITH SOURCE NOT AVAILABLE.
2. SHOWN UNDER NORMAL BATTERY VOLTAGE CONDITION. CONTACTS TRANSFER UNDER A HIGH BATTERY VOLTAGE CONDITION.
3. SHOWN UNDER A LOW BATTERY VOLTAGE CONDITION.
4. SEE SHEET 2
5. SEE SHEET 2
6. SEE SHEET 2
7. SEE SHEET 2
8. SEE SHEET 4
9. THE FOLLOWING WILL CAUSE A BATTERY CHARGER ALARM OUTPUT: (F3)
   LOW BATTERY VOLTAGE
   HIGH BATTERY VOLTAGE
   LOW AC INPUT VOLTAGE
   HIGH AC INPUT VOLTAGE
   OVERCURRENT
   HIGH CHARGER TEMPERATURE
   BATTERY FAILURE
   HIGH BATTERY TEMPERATURE:
   NOT AVAILABLE ON 2 AMP CHARGER
10. USE THE INVERTER REMOTE TEMPERATURE PROBE. (PART NO. 0193-0530)

FEATURES:
BASE CONTROL
30-60 AMP
3 POLE
CONTACTOR LATCHED BOTH SIDES
120 VOLT 1 PHASE
240 VOLT 1 PHASE
208 VOLT 3 PHASE
240 VOLT 3 PHASE
380 VOLT 3 PHASE
415 VOLT 3 PHASE
440 VOLT 3 PHASE
480 VOLT 3 PHASE
600 VOLT 3 PHASE

OPTIONS:
UPGRADED CONTROL
BATTERY CHARGER
BATTERY CHARGER ALARMS
2-3 WIRE CONVERTER
MANUAL OVERRIDE SWITCH

| QTY | ITEM | PART NO | DRG SIZE | DESCRIPTION OR MATERIAL | REF DES |
|---|---|---|---|---|---|

DO NOT SCALE PRINT

TOLERANCE UNLESS OTHERWISE SPECIFIED

| DIM | mm | inch |
|---|---|---|
| | X ± | .X ± |
| | .X ± | .XX ± |
| | .XX ± | .XXX± |
| HOLE | 0.00- 4.99 +0.15/-0.00 | .004-.200 +.006/-.000 |
| | 5.00- 9.99 +0.20/-0.10 | .201-.421 +.008/-.004 |
| | 10.00-17.49 +0.25/-0.13 | .422-.703 +.010/-.005 |
| | 17.50-24.99 +0.30/-0.13 | .704-.999 +.012/-.005 |

ANG TOL± 1°

DRAWN TO SCALE OF 1/1

SIZE TO .
COPIED FROM .

THIRD ANGLE PROJECTION

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FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ANSI Y14.5M-1982

MODEL FIRST USED ON: LT 30-60 AMP,SPEC J

| | NAME | DATE |
|---|---|---|
| DR | S D MORE | 08/01/04 |
| CHKR ☒ MFG ☐ | I A MAHADESHWAR | 08/01/04 |
| APPROVED | MILLER | 08/01/04 |

SITE CODE: PGA

CUMMINS POWER GENERATION
1400 73RD AVE NE
MINNEAPOLIS, MINNESOTA 55432

TITLE: WD-TRANSFER SWITCH

DRG NO 0626-2252 | SHEET 1 of 5 | DRG SIZE D