



1 2 3 4 5 6 7 8 9 10

A A

B B

C C

D D

E E

F F

3PC BOARD

1+ ANALOGUE 1 POSITIVE INPUT
 1- ANALOGUE 1 NEGATIVE INPUT
 2+ ANALOGUE 2 POSITIVE INPUT
 2- ANALOGUE 2 NEGATIVE INPUT
 1+ ANALOGUE POSITIVE OUTPUT
 1- ANALOGUE NEGATIVE OUTPUT

CDM
 D1 FAIL SAFE PROBE INPUT
 D2 10 CORE MULTITRODE PROBE
 D3
 D4
 D5
 D6 PHASE A
 D7 PHASE B
 D8 PHASE C
 D9
 D10
 D11
 D12 DD1A SS1A
 D13 DD1B SS1B
 D14 DD2A SS2A
 D15 DD2B SS2B
 D16 DD3A
 D17 DD3B
 D18 DD4A HI LEVEL ALARM
 D19 DD4B
 D20
 DCOM

CONFIGURABLE DIGITAL OUTPUTS D05 THRU D07
 HAVE SINGLE COMMON

3MP BOARD
 MOTOR PROTECTION

11+ ANALOGUE 1 POSITIVE OUTPUT
 11- ANALOGUE 1 NEGATIVE OUTPUT
 12+ ANALOGUE 2 POSITIVE OUTPUT
 12- ANALOGUE 2 NEGATIVE OUTPUT
 13+ ANALOGUE 3 POSITIVE OUTPUT
 13- ANALOGUE 3 NEGATIVE OUTPUT

GND
 IRT 1
 IRT 2
 IRT 3
 1A+
 1A-
 1B+
 1B-
 1C+
 1C-
 2A+
 2A-
 2B+
 2B-
 2C+
 2C-
 3A+
 3A-
 3B+
 3B-
 3C+
 3C-

D11A C1
 D11B
 D12A C2
 D12B
 D13A
 D13B
 D14A
 D14B
 D15A
 D15B

CONFIGURABLE DIGITAL OUTPUTS

TYPICAL FAULT INPUTS FOR 2 PUMPS

MOTOR OVERTEMP PUMP 1
 SEAL PUMP 1
 THERMAL OVERLOAD PUMP 1
 CONTACTOR AUX PUMP 1
 MOTOR OVERTEMP PUMP 2
 THERMAL OVERLOAD PUMP 2
 SEAL PUMP 2
 THERMAL OVERLOAD PUMP 2
 DOOR SWITCH

CPU BOARD

DISPLAY
 ETHERNET
 FLASH CARD
 SERIAL 1
 SERIAL 2
 SERIAL 3

DSP BOARD

12-24VDC +
 GND
 BATT
 V-
 CANL
 SHIELD
 CANH
 V+
 CAN BUS 1

V-
 CANL
 SHIELD
 CANH
 V+
 CAN BUS 2

MSM-PSU-02 POWER SUPPLY

N L
 V1 CDM B+ B-
 F1
 12V BATTERY

NOTES:
 1. SEE MULTISMART MANUAL FOR CONFIG DETAILS. CONFIG SHOWN IS DEFAULT 1B

IMPORTANT: THIS DRAWING SHOWS THE GENERAL ARRANGEMENT FOR A MULTISMART DEVICE. WIRING, COMPONENT SELECTION AND INSTALLATION SHOULD BE IN ACCORDANCE WITH APPLICABLE LOCAL STANDARDS AND REGULATION

DRAWN S. WEEKLEY	DATE 17-03-08	SCALE N/A	MULTITRODE BRISBANE	
CHECKED P. O'KANE	DATE 17-03-08	DO NOT SCALE	TITLE STANDARD MULTISMART 2 PUMP CONTROLLER	
SUBMITTED	DATE		SHEET SIZE A3 297X420	DRAWING No. -002
APPROVED	DATE	STATUS ENGINEERING		

REV	DESCRIPTION	REV BY	APRV	DATE	DRAWING NUMBER	REFERENCE DRAWINGS				
1		2								