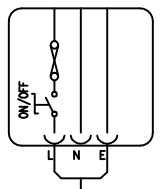
DRG No A0-204/78053 SHT 6 OF 16

DRAWING PRACTICE TO BS308 – THIRD ANGLE PROJECTION

LAKESHORE MODEL 218 TEMPERATURE MONITOR UNIT 4

POWER

MAINS INPUT

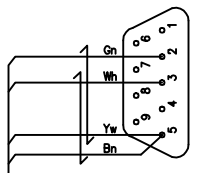


IEC

RACK DIST. BOARD
VIA IEC BLOCK SPT/P04–6 3C 1.0mm² PVC
SEE DWG 204/78052

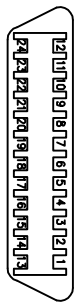
SERIAL I/O

RS-232



RS232 MODULE WIRING DIAGRAM SPT/G14 2 TW PR UDP 2x2x0.25
SEE DRG 204/78058 SHT 1

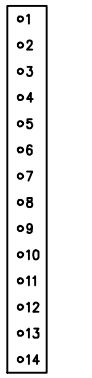
IEEE-488 INTERFACE



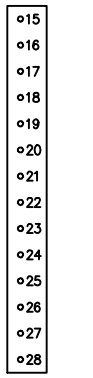
NOT USED

RELAYS 30VDC 5A

BLK 1

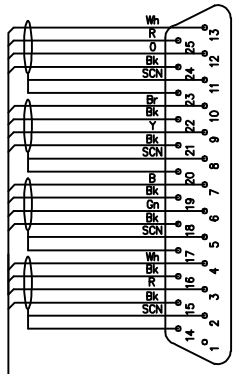


BLK 2



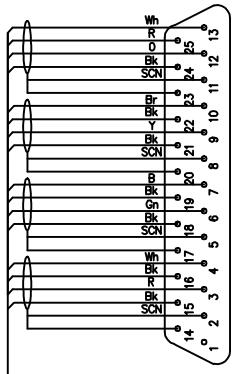
INPUTS

1–4



SD 04 (1)
SD 19 (2)
SD 20 (3)
SD 23 (4)

5–8



SD 24 (5)
SD 02 (6)
SD 09 (7)
SD -- (8)

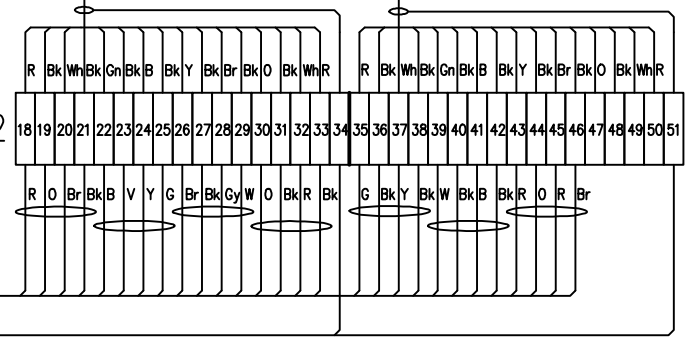
SPT/50 8 TwPr 7/0.2

SILICON DIODE SENSOR
SKT V3

SPT/51 8 TwPr 7/0.2

SILICON DIODE SENSOR
SKT V3

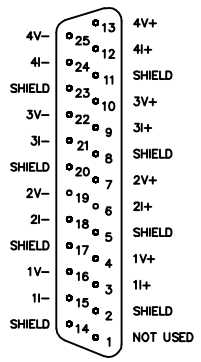
TB 2



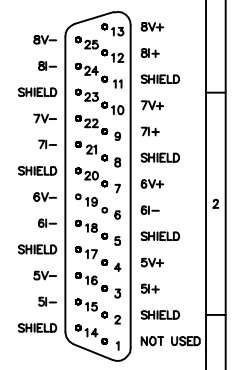
SPECTROMETER
SOLONOID V3

TEMPERATURE MONITOR UNIT (TYPICAL)

INPUTS 1–4



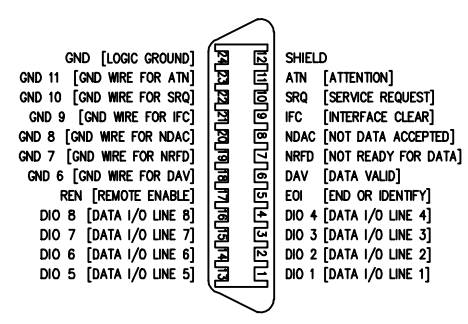
INPUTS 5–8



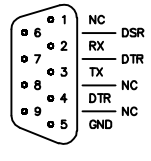
RELAYS 30VDC 5A

01	RELAY 1 NC	15	RELAY 5 NC
02	RELAY 1 COM	16	RELAY 5 COM
03	RELAY 1 NO	17	RELAY 5 NO
04	RELAY 2 NC	18	RELAY 6 NC
05	RELAY 2 COM	19	RELAY 6 COM
06	RELAY 2 NO	20	RELAY 6 NO
07	RELAY 3 NC	21	RELAY 7 NC
08	RELAY 3 COM	22	RELAY 7 COM
09	RELAY 3 NO	23	RELAY 7 NO
10	RELAY 4 NC	24	RELAY 8 NC
11	RELAY 4 COM	25	RELAY 8 COM
12	RELAY 4 NO	26	RELAY 8 NO
13	ANALOG 1 SIG	27	ANALOG 2 SIG
14	ANALOG 1 GND	28	ANALOG 2 GND
BLK 1		BLK 2	

IEEE-488 INTERFACE



SERIAL I/O



KEY

NC – NOT CONNECTED

NOTES

1) UNUSED CORES TO BE SLEEVED OFF AND TIED BACK

REF DRAWINGS

204/78050 SPECTROMETER TEST RACK BLOCK DIAGRAM
204/78055 SPECTROMETER TEST RACK CANBUS/VME NETWORK
204/78057 PSU/COMMS/SIGNAL CONVERTER WIRING DIAGRAM
204/78059 SPECTROMETER TEST RACK CANBUS WIRING DIAGRAM
204/78052 SPECTROMETER TEST RACK POWER DIST DIAGRAM
204/78056 SPECTROMETER TEST RACK DAC/ADC WIRING DIAGRAM
204/78058 SPECTROMETER TEST RACK RS232 WIRING DIAGRAM

SCALE 0

ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DRN DATE	P.A.D. 15/10/11	SCIENCE AND TECHNOLOGY FACILITIES COUNCIL DARESBURY LABORATORY CHESHIRE
CKD DATE	I.M. 27/03/12	TITLE MICE COOLING CHANNEL TEST RACK EQUIPMENT WIRING DIAGRAM
CERT DATE		
APPD DATE	I.M. 27/03/12	DRG No A0-204/78053 SHT 6 OF 16 ISSUE A
		CAD PART No 204/78053-6

DRAWING LIST:- DL 204/78000

CONTRACTORS COMPANY
CONTRACTORS DRG No

A FIRST ISSUE

ORIGINAL FRAME SIZE 1140mm X 790mm