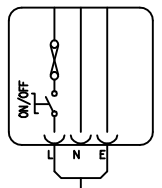
DRG No A0-204/78053 SHT 7 OF 16

DRAWING PRACTICE TO BS308 – THIRD ANGLE PROJECTION

# LAKESHORE MODEL 218 TEMPERATURE MONITOR UNIT 5

## POWER

MAINS INPUT

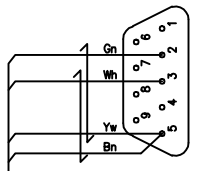



IEC

RACK DIST. BOARD
VIA IEC BLOCK SPT/P04-7 3C 1.0mm² PVC
SEE DWG 204/78052

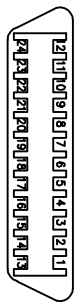
## SERIAL I/O

RS-232




RS232 COMMS WIRING DIAGRAM SPT/C15 2 TW PR LAPP 2x0.25
SEE DRG 204/78058 SHT 1

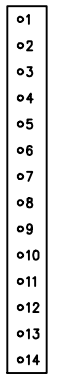
## IEEE-488 INTERFACE



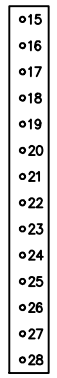
NOT USED

## RELAYS 30VDC 5A

BLK 1

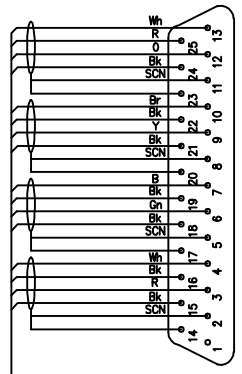


BLK 2



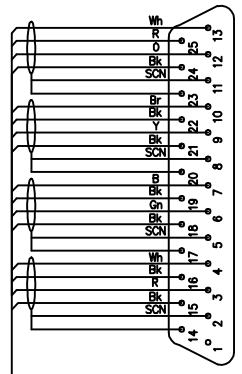
## INPUTS

1–4



SPARE (1)
SPARE (2)
SPARE (3)
SPARE (4)

5–8



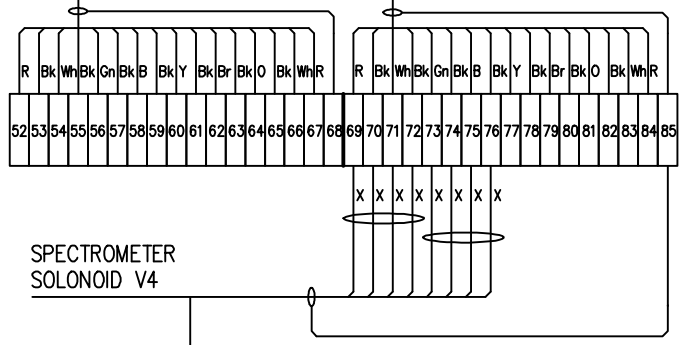
CX 01 (5)
CX 02 (6)
SPARE (7)
SPARE (8)

SPT/52 8 TWPr 7/0.2

SPT/53 8 TWPr 7/0.2

CERNOX SENSOR
SKT V4

TB 2




SPECTROMETER
SOLONOID V4

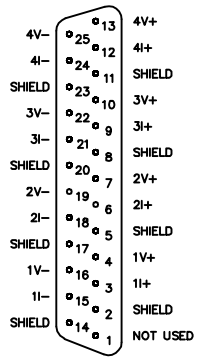
CONTINUED ON 204/78053_5 & 204/78053_4

NOTES

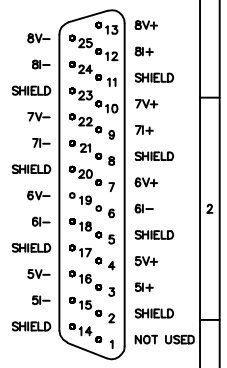
1) UNUSED CORES TO BE SLEEVED OFF AND TIED BACK

## TEMPERATURE MONITOR UNIT (TYPICAL)

INPUTS 1–4



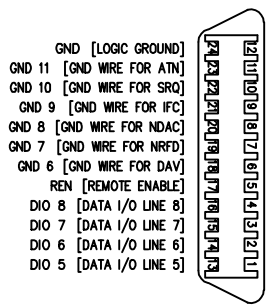

INPUTS 5–8



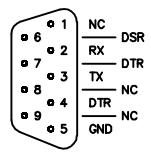

RELAYS 30VDC 5A

| | | | |
|---|---|---|---|
| 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

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 | P.A.D. | SCIENCE AND TECHNOLOGY FACILITIES COUNCIL DARESBURY LABORATORY CHESHIRE |
| DATE | 15/10/11 | |
| CKD | I.M. | TITLE MICE COOLING CHANNEL TEST RACK EQUIPMENT WIRING DIAGRAM |
| DATE | 27/03/12 | |
| CERT | | |
| DATE | | |
| APPD | I.M. | DRG No A0-204/78053 SHT 7 OF 16 ISSUE A |
| DATE | 27/03/12 | CAD PART No 204/78053-7 |

DRAWING LIST:– DL 204/78000

CONTRACTORS COMPANY
CONTRACTORS DRG No

A FIRST ISSUE

ORIGINAL FRAME SIZE 1140mm X 790mm