MFC 1
9 D SKT

MFC 2
9 D SKT

FLOW SENS DIAGRAM WITH SOLDER 3 WAY ORIENTATION.

Mounted on top

FLAT FAN

TUBE FURNACE SI2085

K TYPE TC

REDUCTION FURNACE SI2409

K TYPE TC

R TYPE TC

HT EA FOR PYROEARTH SI3033

EA FURNACE x 2 SI2409

BRAIDING

EPC 2

8 WAY MOLEX

BRAIDING

BRAIDING

EPC 1

8 WAY MOLEX

PIN 1

J4

PIN 1

PIN 1

J1

GAS FLOW SENSOR 1

3 WAY MOLEX

GAS FLOW SENSOR 2

3 WAY MOLEX

VIEW FROM TOP OF CRIMP ENTRY.

J4
15 D Plug
See Drawing: 10202_004_024

J1
25 D Plug
See Drawing: 10202_004_025

4.5m USB Cable SI2288

To rear panel

J4 J1

F1 T/C F2 T/C GC1 T/C GC2 T/C

J37 J35 J33 J31

MFC & EPC JUMPERS

J6

J10

White Black Grey

0V 24V

FROM 24V TERMINAL BLOCK AT EARTH PCB

HT

+

See mains drawing

SSR & COVER SI3034 (25A)

RED

+

SSR & COVER SI0559 SI0345

See mains drawing

TUBE FURNACE

+

See mains drawing

THERMOSTAT SI0807

GC BOX

PIN 1

J6
15 WAY D PLUG
See Drawing: 10202_004_029

GC

+

See mains drawing

ON

1 2 3 4 5 6 7 8

DIP SWITCH SETUP: ISO EARTH (E)

EArth PCB: SI2582

Ribbon Cable

To orange block IDC SI0373

J3

J21

J5

PIN 1

J5
15 D PLUG
See Drawing: 10202_004_032

TOGGLE SWITCH S0902

MOUNT IN FRONT OF DRAWER

1 2 3 4 5 6

TO 34 WAY TERMINAL BLOCK

V13 - 27 & 28

V6 - 13 & 14

+24V 0V

24s

1(-) 5(+) 3 2 4

R2

1(-) 5(+) 3 2 4

R1

SPCO RELAY + BASE x 2
SI0346
SI0347

To TCD

Side wall TB

HT MAINS SWITCHING SIDE. SEE 10202_005_001

NO

6 3

15A RELAY

7 8

TO VALVE 2 ON TB -INTERLOCK-

0V 0V 24V 24V

TO 24V TERMINAL BLOCK BELOW DRAWER

E
N
L

3-Core Mains

24VOLT PSU SI0508

24V
0V

24s

To J3

Valve	34TB No.
0	1,2
1	3,4
2	5,6
3	7,8
4	9,10
5	11,12
6	13,14
7	15,16
8	17,18
9	19,20
10	21,22
11	23,24
12	25,26
13	27,28
14	29,30
14	31,32

34 WAY RIBBON CABLE ORANGE BLOCK GOES TO J3 ON MAIN PCB

REMOVE JUMPERS LOCATED IN POSITION J7, J17, J54, J56, J5. ADD JUMPERS TO POSITIONS J18, J19, J57, J58, J55

80mm FAN X 5 SI0793

TCD SIGNAL

9 WAY D SOCKET - MOUNTED ON REAR PANEL

PIN 1

All wires 16s unless stated

MOD	ISSUED BY	DESCRIPTION	DATE	REV. No.
	DW	INTERLOCK	12/06/2025	C6
	DW	USB WIRE IDENT	28/03/2025	C5
	DW	INTERLOCK WIRING CHANGE	07/02/2025	C4
	DW	FLOW SENSOR WIRE CHANGE	24/12/2024	C3

REMOVE ALL BURRS & SHARP EDGES | DO NOT SCALE | THIRD ANGLE

MATL. | ALL DIMENSIONS IN MILLIMETRES

FINISH | TOLERANCES UNLESS OTHERWISE STATED: ±0.15° ANGULAR; 0. ±1; 0.00 ±0.1; 0.0 ±0.2; SURFACE FINISH 1.6u

DRG. SIZE A1

SCALE

TITLE: PyroEArth WIRING – PREP

SERCON LTD

DRG No 10202-005-002

©