37 Way 'D' Socket to 34 Way IDC Socket
2 Meters Long

TO MASS SPEC

34WAY IDC TO
ORANGE BLOCK
IN MASS SPEC DRAW

37 Way Plug to 37 Way
Socket Converter Cable

TO PREP UNIT

34WAY IDC TO
ORANGE BLOCK IN
BACK OF PREP UNIT

9 WAY D PLUG
EMS

4 Core
Pin No's
R--1
N--2
Y--3
G--4

4 Core Cable 2M

E-Mag PSU

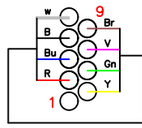
MAINS SUPPLY
TO PSU

Remove 60mm
of Outer Shield

TO
E/MAG

E-Mag upgrades only

Pumps
Use 9 D Socket




Pump S

Pump A

8 Core Cable 2M

New wires should placed into the old unit by loosening the rear pannel and fitting them over the top. All work must be carried out with the power off once all conections have been made remove conector 6 (CONN6) the 12way connector from the power supply pcb.

Source Cable

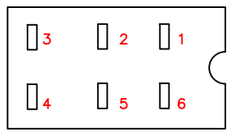
0-3 VFC cable
Standard Head Amp 2M

4-7 VFC Cable
Hd Head Amp 2M

Yellow Analyser
Gauge

Blue Source
Gauge

IF PFEIFFER PUMP CHANGE BLACK
CONNECTOR AT GAUGE END
(SWOP BROWN/WHITE ON PIN 4 TO
ORANGE/WHITE)



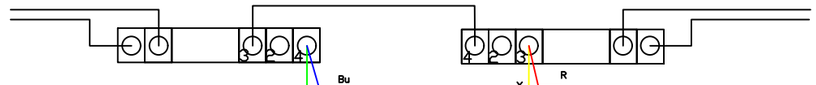

Gauge Cable-Source Blue-Analyser Yellow

1=N/C 2=Green/White 3=Blue/White
6=N/C 5=Orange 4=Orange/White

USB TO
COMPUTER
4.5M

MAINS SUPPLY
TO ELECTRONICS

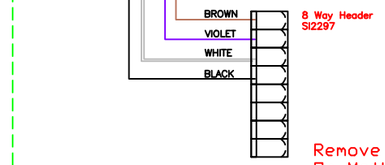
2off Relays In Right
Side of Hydra

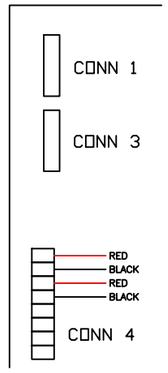



Strip cable
600mm

Pump S

Pump A




Remove 8 Way Socket From Conn 4
On Mother Board And Connect Onto
8 Way Header

500mm

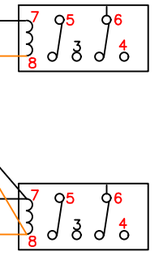
Flat of Mounting
Thread Facing Up

Remove the connector from
CONN1 on Power Supply PCB
and replace with the one on the
cable provided

Replaces old Pump
Switch

2000mm

500mm




2off Pump start relays in back of unit.
Remove old wires from points 7 and 8 from
the relay base and replace with the new wires
provided. pin 7
Orange pin 8
Black

The wires removed from the relays
can be connected into the
terminal block provided.

SYSTEM CABLES

| | |
|---|---|
| SOURCE | 70101/12 |
| HEAD AMP | 70101/15 |
| HEAD AMP+FID | 70101/16 |
| GAUGE | SI0895 |
| MAINS | SI1024 |
| USB | SI1259 |

***GC ONLY***

70101/16 FIT TO 0-3VFC
70101/15 FIT TO 4-7VFC

| REV. | ISSUED BY | DESCRIPTION | DATE | REV. No. |
|---|---|---|---|---|
| | MOC | NEW PUMPS CONNECTOR | 07-08-2014 | C1 |
| | MOC | ISSUED FOR BUILD | 14-06-2011 | C |
| | MOC | ORIGINAL | 10-06-2011 | A |

REMOVE ALL BURRS & SHARP EDGES | DO NOT SCALE

THIRD ANGLE

MATL.

FINISH

ALL DIMENSIONS IN MILLIMETERS

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 NTS

TITLE
20-22 Electronics Upgrade

DRG No
30202-004-007

SERCON LTD

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