TECHNICAL ADDENDUM

PERMACONN – **Typical Fire Panel Connection to Permaconn**

Background:

The Permaconn can be used as a NON dialler capture device, this mean there is NO dialler connection between the FIP and the Permaconn. This will cause the dialler interface on the Permaconn in Atlas to appear **FAILED** in red. This will not send an event unless it senses a change in state. This cannot be disabled, however a note can be added in the history that the dialler is not used and it is connected to a fire panel. Also during the activation under the 'Name' section simply add Fire Panel after the name. The 3 inputs and 3 outputs work as normal.

How the Inputs work?:

- There are 3 inputs or zones that can be utilised.

- These inputs are NOT programmable.

- These inputs are 24hr zones.

- Each input requires 3K3 Ω sealing resister. See **Fig.1.**

- An open circuit on the input will trigger the input and send an immediate event. See **Fig.1**.

- A restore on the contacts will send an immediate restore event. See **Fig.2.**

The table below shows the behaviour of the 3 inputs.

Input	CID	Partition	Zone
1	140	0	981
2	140	0	982
3	140	0	983

FIP in Alarm
Fig.1.

FIP not in Alarm
Fig.2.
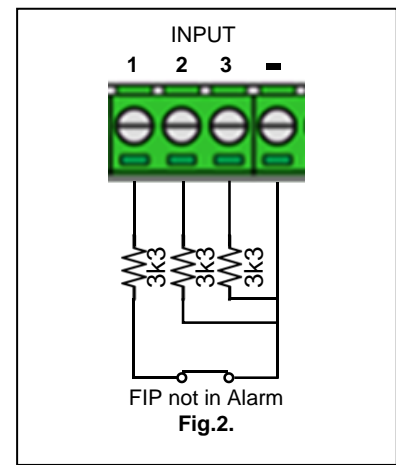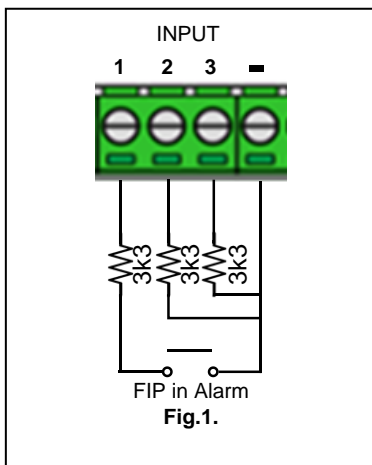
E.g. of an Alarm event sent to monitoring station:

In TEXT:-

```
10:23:45 Wed 29 Jun 2016
Account: 0001
Event: Input 1 on Permaconn unit
Partition: 00 - Zone: 981
```

E.g. of an Restore event sent to monitoring station

In TEXT:-

```
10:24:20 Wed 29 Jun 2016
Account: 0001
Restore: Input 1 on Permaconn unit
Partition: 00 - Zone: 981
```

In CID CODE:-

```
10:23:45 Wed 29 Jun 2016
0001 E140 00 C981
```

In CID CODE:-

```
10:24:20 Wed 29 Jun 2016
0001 R140 00 C981
```

Typical Fire Panel wiring connections showing Alarm and Fault relays:

PM45-4G v3

CID   IP   MOBILE   HB

Serial Number: Located on back
See reverse side

DC/DC CONVERTER

24vDC IN   GND   12vDC OUT

R1 R T T1   ETH   12vDC 1 2 3 1 2 3 RXTX   ANT   Reset Button

OUPUT   INPUT

E

3k3   3k3

Fire Panel

GND

24vDC

Fire Alarm Relay
NC
C
NO

Fire Alarm Fault Relay
NC
C
NO