

# DATASHEET

## ARGUS LOOP CONNECTION TO A FFE FIRERAY ONE BEAM DETECTOR

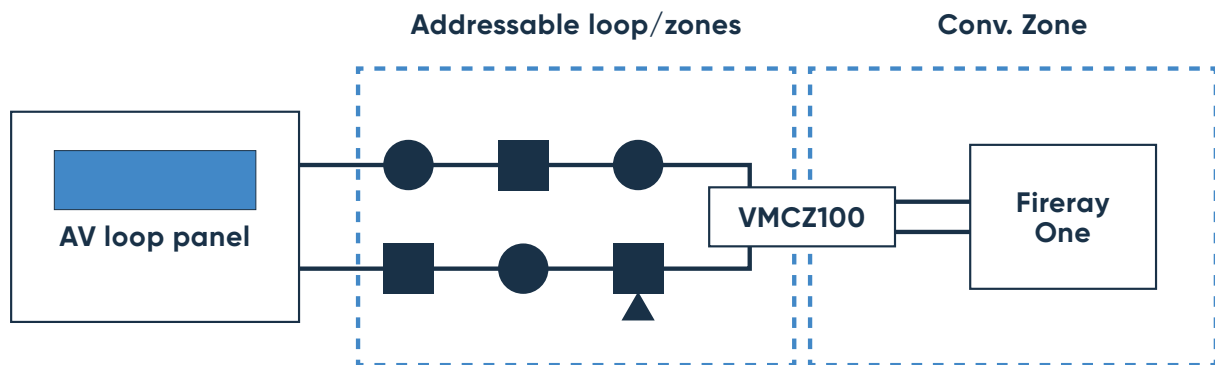
### SCOPE

This document describes how to connect the FFE Fireray One beam detector to an Argus AV protocol compatible panel loop using an conventional zone interface module (Argus code VMCZ100).

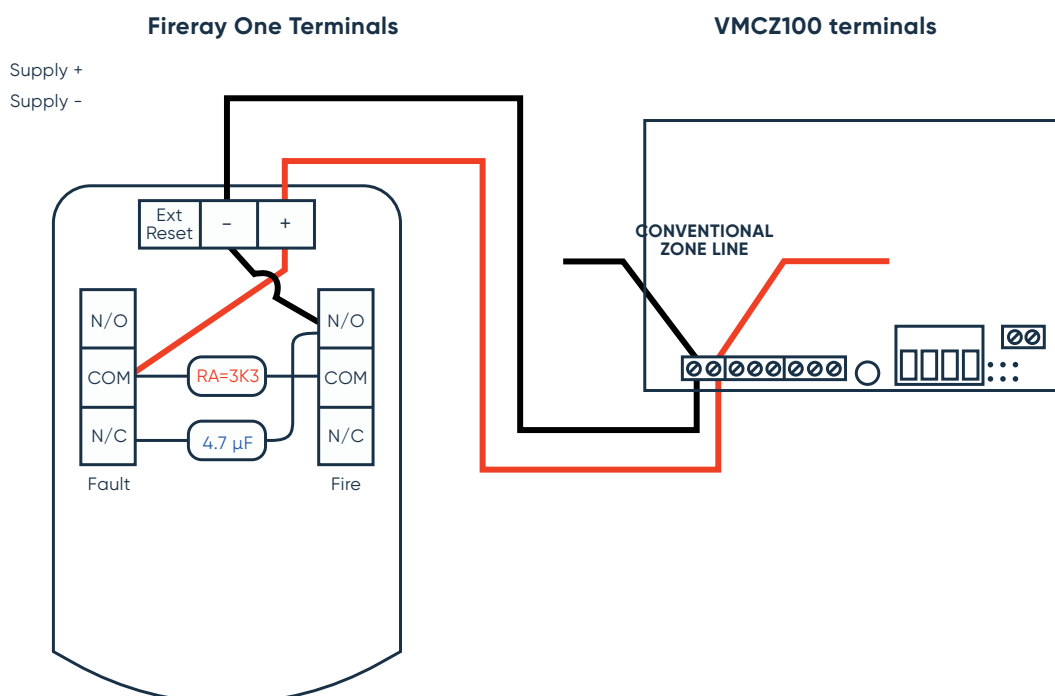
This is intended to:

- Provide the power supply to the beam
- Supervise the alarm and fault condition from the beam

### LOOP SCHEME



### CONNECTIONS ARRANGEMENTS



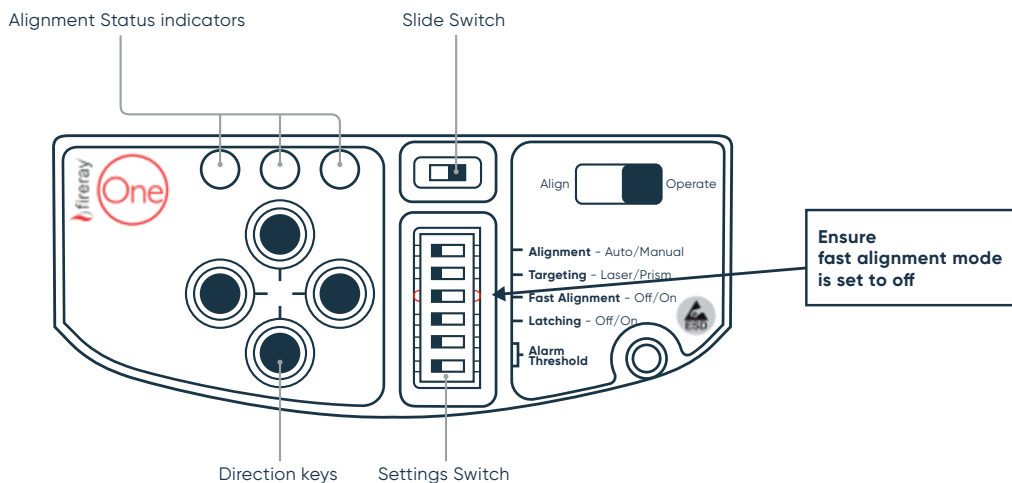
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### SETTINGS

**Fireray settings:** please refer to the full product manual for installation information and product use.

When used with VMCZ100 interface, please ensure that the fast alignment mode is set to off. This will keep the current constant and do not create unwanted alarms from the VMCZ100 module due to the higher current sink from the beam itself during fast alignment mode.



### VMCZ100 settings

Please ensure the module is configured as below:

- Current Limit 20mA
- Alarm current Threshold 10mA
- Alarm resistor (RA) 3.3kΩ
- Capacitive EOL 4.7 μF

When used with panels that manage natively the VMCZ100 settings, please refer to the configuration software.

If such software is not available or does not manage the conventional interface module, please use ALPU1000/VPU100 Intelligent Programming Unit, setting 27 on Product Operating Mode (please refer to the Argus ALPU1000/VPU100 handheld programmer manual for further information on its use).

