

REPLACEMENT OF 601F TP BG-201 WIP

Case A; Retrofit of 601F mounted on FDI (Flame Detector Interface)

Equipment and connections:



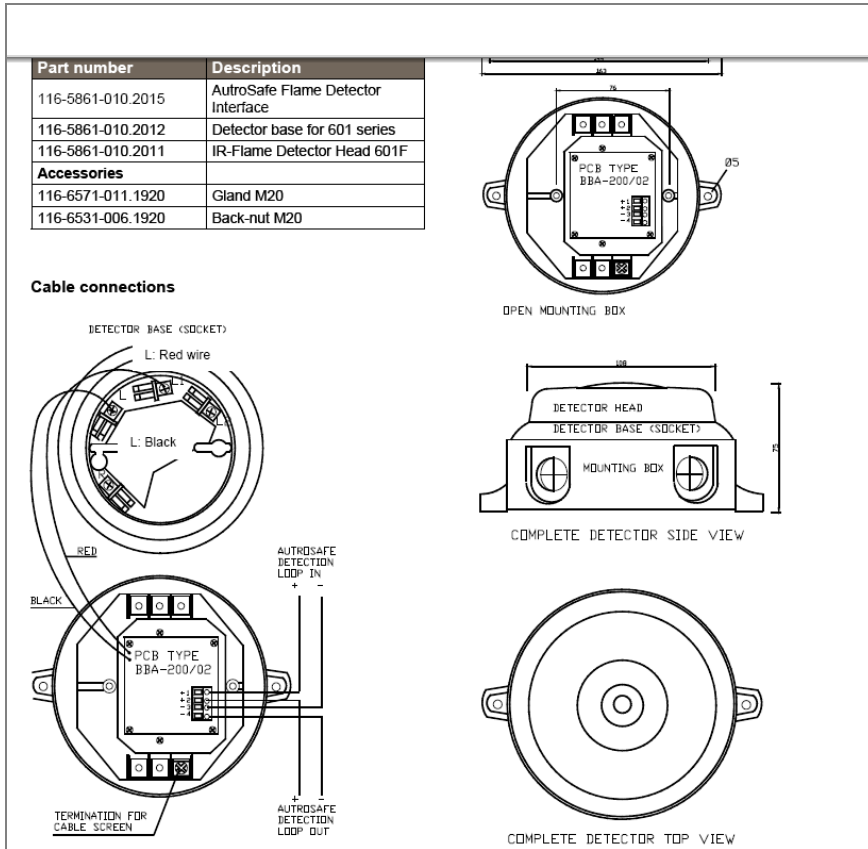
BG-201 & BG-21



FDI: Flame Detector Interface

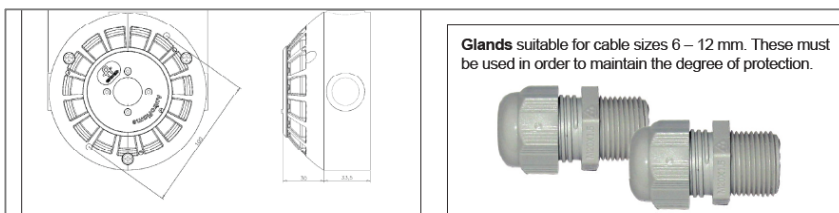
FDI:

1. From the Service Menu on the panel: Disable the detector loop.
2. Turn and lift off the old flame detector 601F from its base. Unscrew the black and red wire from the screw terminals in the detector base and remove the detector base.
3. Unscrew the loop wires from the interface in the detector base (FDI). (Make a mark, or label each wire, to make sure they are reconnected the same way in BG-201).
4. Remove the interface (FDI).
5. Install and connect the BG-201. The cables are to be connected through the glands.
6. **Make sure the interface setting is "Legacy" which is the setting for 601F flame detector replacement. To make it "Legacy" cut the path on J4.**
7. After Replacement(s); enable the detector loop. If Autoprime panel is used, be sure to save configuration and restart the panel.

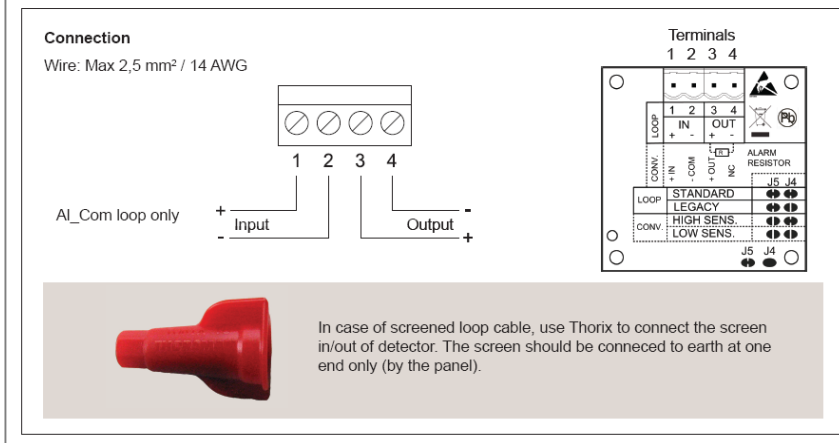


BG-201:

Loop connections:



FDI	BG-201
1+	1 Input +
2+	3 Output +
3-	2 Input -
4-	4 Output -



REPLACEMENT OF 601F TP BG-201 WIP

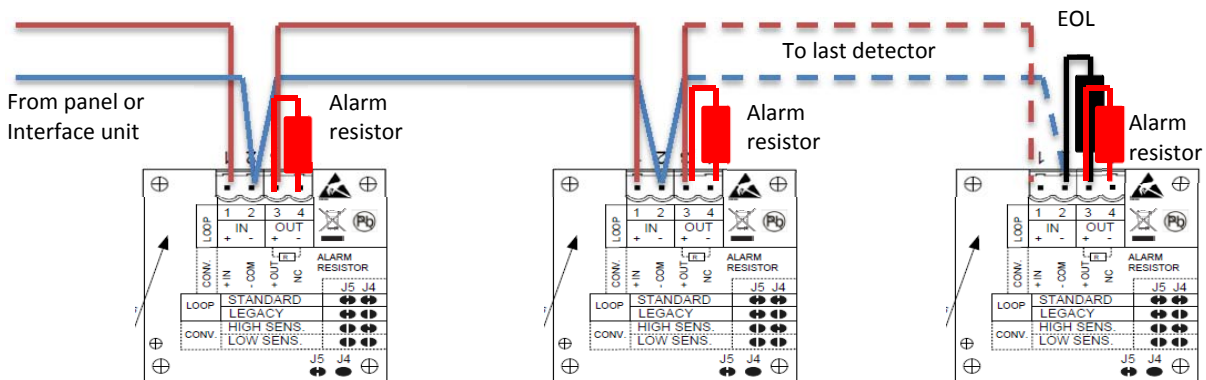
Case B; Retrofit of 601F used as a conventional device

Cut the J5 bridge on the BG-201 detector to enable conventional operation. The device is now functionally identical to a BG-21. Use the same EOL as for the 601F you are replacing.

The BG-21 Conventional detector can be used with any panel providing 10 – 24V loop voltage and is based on the current increase principle to give alarm. The device is also compatible with conventional loop interface units; BN-33A, BNB-330 and BNB-331. An alarm resistor must be fitted between terminal 3 and 4 on the connection block.

The value of the alarm resistor can be dimensioned for correct alarm current depending on the panel. The most commonly used alarm resistors are 470 or 680Ω (680 provided from Autronica). E.g. in a 24V loop system a 680Ω resistor will result in alarm current of 35mA.

Equipment and connections:



Connection to the first/between detectors:

Terminal	Connection
1	+ in
2	- in / out
3	+out / alarm resistor
4	alarm resistor

Connection to the last/single detector:

Terminal	Connection
1	+ in
2	- in / EOL
3	alarm resistor / EOL
4	alarm resistor

The above connection between detectors on a conventional loop will secure fault activation at the panel if one of the connectors is unplugged.