

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

I/O Units (BN series) and Addressable Conventional Loop Interfaces (BNB series) with Short-circuit Isolator and SelfVerify Communication Loop.

BNY-330 End-of-Line Board (fitted in Detector Socket).

The above modules are intended to be used with AutoSafe or Autoprime Fire Detection Systems.

1.1 - Main Characteristics:

1.1.1 - Addressable Conventional Loop Interfaces: BNB-330A and BNB-331

	BNB-330A	BNB-331
Detection Loop	1xConventional Branch (32 detectors max.)	1xConventional Branch (32 detectors max.)
Output Relay	1xAlarm	1xAlarm & 1xFault
Output	None	1xPSU Fault
Protection Index	IP 20	IP 20
Working Temperature	-25°C to +70°C	-25°C to +70°C
Power Supply	1x24 VDC (20-30 VDC)	2x24 VDC (20-30 VDC)
Software Version	1.4	1.4

1.1.2 - I/O Units: BN-303, BN-304, BN-305 and BN-307

	BN-303	BN-304	BN-307
Type	Single Monitored Input Unit	Single Monitored Input/Output Unit	Monitored Fire Alarm Device Control Unit
Input / Output	1xIn / None	1xIn / 1xRelay	1x24 V In / 1xFAD Out
Protection Index	IP 54*	IP 54*	IP 54*
Working Temperature	-15°C to +70°C	-15°C to +70°C	-15°C to +70°C
Power Supply	1x24 VDC (16-26 VDC)	1x24 VDC (16-26 VDC)	1x24 VDC (20-30 VDC)
Software Version	1.11	1.11	1.8

	BN-305	BN-305-D
Type	Dual Monitored Input/Output Unit	Dual Monitored Input/Output Unit
Input / Output	2xIn / 2xRelay	2xIn / 2xRelay
Protection Index	IP 54* or IP 67**	IP 66**
Working Temperature	-15°C to +70°C	-25°C to +70°C
Power Supply	1x24 VDC (16-26 VDC)	24 VDC
Software Version	1.11	1.11

*Category 1, with membrane gland TSS M20 Grey (AFS Art. Nr 116-6571-011.6020) and ship kabel Shipline Draka01 640M TXOJ 0.75 mm2.

** with provided gland ST-M20*1.5 PG 13.5 Polyamide (Art. Nr. 116-6571-011.1920), gland nut GMP-GL M20*1.5 Polyamide (Art. Nr. 116-6531-006.1920) and ship kabel Shipline Draka01 640M TXOJ 0.75 mm2.

1.1.3- End-Of-Line Board: BNY-330 (To be fitted in Socket of last Detector on the Loop).

2. DOCUMENTS AND DRAWINGS:

Autronica:

Data Sheets Ref. 116-P-BN303/CGB 2011-10-07, Ref. 116-P-BN304/CGB 2011-10-07, Ref. 116-P-BN305/CGB Rev. B 2012-02-07, Ref. 116-P-BN307/CGB Rev. B 2012-01-23, Ref. 116-P-BNB330A/CGB 2012-07-09, Ref. 116-P-BNB331/CGB Rev. B 2012-02-02 and Ref. 116-P-BN305D/CGB Preliminary 2013-02-14.

Electronic Schematics No. BN-100 Rev. C, BN-109 Rev. A, BN-140 Rev. H, BN-142 Rev. D, BN-143 Rev. E, BN-145 Rev. D and M4040 Rev. A.

Autosafe IO Units SW_Changes Ref. 086/5.1/001 Rev. 1.8 dated on 2014-11-07.