Commissioning checklist for Addressable Fire Detection BSR-100X

Client Name:			
Project Name:			
Commissioner/ Company :			
Installation Date:			
Client Contact details:	Country/Town/Address :	Tel:	Email:
Commissioner contact details:	Name:	Tel:	Email:

Panel details

Purchased from:	
Date of purchase:	
Item specific model :	
Serial Number:	

AVAILABILITY OF GENERIC DOCUMENTATION			REMARKS
Pre-commissioning list is completed and available, verified with site representative.	YES ☐	NO ☐	
Installation manuals.	YES ☐	NO ☐	
Complete graphical floor plan. Point and panel allocations.	YES ☐	NO ☐	
Specific document requirements of site. Others.	YES ☐	NO ☐	

ELECTRICAL INSTALLATION	OK
Check the MAINS power cable is correctly installed to AC POWER input inside the panel, with correct polarity (L-N-PE).	☐
Check if the operational supplied voltage is 220-240VAC 50-60Hz.	☐
The Batteries are connected in series.	☐
The Battery Leads of the panel connected to the batteries with correct polarity.	☐

LOOP OUTPUTS	OK	REMARKS
All the LOOP connections have been wired with the recommended cables.	☐	
The cross section of the cable is correct for each LOOP.	☐	

Check each LOOP and make sure there is **no** short circuit across (+) and (-).	☐	
The LOOP cables have a safety distance at least 50cm from any Mains cable (220 -240 VAC), fluorescent and LED lamps.	☐	
The LOOP cables have a safety distance at least 5m from any motors or power stations.	☐	
Are there any are ducts or drafts in areas where smoke detectors have been installed?	☐	
Is there any steam in the areas that the smoke detectors were installed?	☐	
Is there any dust in the air in the areas where smoke detectors were installed?	☐	
If shielded cable, the shield should be terminated to Protective Earth (PE).	☐	
If shielded cable, the shield should not present a short circuit with L+.	☐	
If shielded cable, the shield should not present a short circuit with L-.	☐	
If shielded cable, you should measure >10MOhm across the shield and L+.	☐	
If shielded cable, you should measure >10MOhm across the shield and L-.	☐	
The installed cable length of each LOOP is smaller or equal than the maximum calculated length.	☐	
The maximum number of devices is up to 150 devices per LOOP.	☐	
The maximum current consumption is up to 400mA per LOOP.	☐	
The total load, including Loop devices, Conventional sirens and 24VM/P outputs is up to 2 Amperes.	☐	
The type of the installed batteries is correct and the autonomy has been calculated by the PC-1004 software.	☐	

Trigger an alarm on each LOOP and make sure you get on the screen an ALARM notification as well as a general Alarm activation.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
Remove one detector from its base and make sure you get a FAULT notification on the screen.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
Specify the max. calculated cable length per LOOP, performed by the PC-1004 software.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
Specify the installed cable length per LOOP.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
Specify the cross section of the cable for each LOOP.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
Specify the Alarm current (mA) per LOOP.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐

Specify the Quiescent current (mA) per LOOP.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐

DETECTORS – SIRENS – I/Os	OK	REMARKS
Each point has been addressed.	☐	
Each point has a unique address.	☐	
Each point has been named. (Optional)	☐	
Terminal resistors on the last conventional siren per single output.	☐	

Specify the number of devices per LOOP.	LOOP1 ☐	LOOP2 ☐	LOOP3 ☐	LOOP4 ☐
How many devices -in total- have been installed?	☐			

BMS RELAYS AND MONITORING	YES	NO
Is the FAULT Relay monitoring another device?	☐	☐
Is the ALARM Relay monitoring another device?	☐	☐
Is the AUX Relay monitoring another device?	☐	☐
Are there any EXTRA Relays BS-613 connected?	☐	☐
Any device connected to 24VM? (300mA max.)	☐	☐
Any device connected to 24VP? (300mA max.)	☐	☐

PANEL PROGRAMMING	OK
Perform LED TEST to inspect them visually for proper operation.	☐
Set the day, date and time.	☐
Perform AUTOADDRESSING POINT procedure to automatically detect and register all devices. Ensure that all installed points are detected.	☐
Set conventional sirens.	
Set the AUX Relay.	☐
Set the EXTRA Relays(if applicable).	☐
Set maximum indicators per LOOP.	☐
Set Detectors' dependency.	☐

Set external PCB FUNCTION.	☐
Set Modbus address(if applicable).	☐
Set ANNUAL CHECK WARNING.	☐
Set new TECHNICIAN CODE.	☐

ETHERNET SETUP (If ETHERNET adaptor installed)	OK	REMARKS
Enable the ETHERNET adaptor.	☐	
Set the IP Address.	☐	

PANEL NETWORK (RS-485)	OK	REMARKS
Set panels' addresses. (Master address 1)	☐	
Maximum cable length from panel to panel, 500m.	☐	
Set panel network to ACTIVE.	☐	
Perform PANELS DETECTION	☐	

INSTALLATION DELIVERY	
All above have been checked and configured based on Olympia Electronics instructions and installation manuals.	OK ☐
Complete commissioning document.	OK ☐
Instruct user or representative on appliance operation.	OK ☐

APPROVED BY:	
Customer Name/Signature:	Commissioner Name/Signature:
Date:	