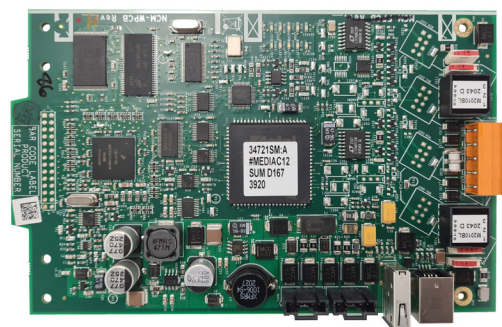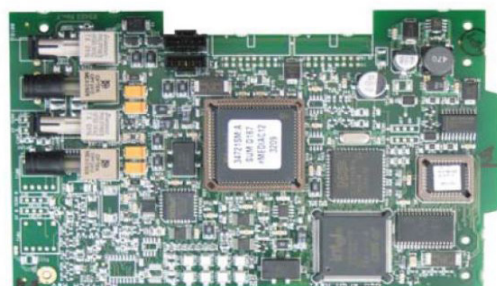## FEATURES

N-NCM-W (Wire) Features:

- ✓ Supports twisted-pair wire medium
- ✓ Two programmable data thresholds
- ✓ Transformer coupling provides electrical isolation between nodes
- ✓ Pluggable terminal wiring with strain relief
- ✓ 312.5 Kbaud transmission rate
- ✓ Data is regenerated at each node
- ✓ Repeaters are available to increase signal
- ✓ Repeaters may be utilized to switch media type
- ✓ Up to 1000m between nodes in a point-to-point fashion (actual distance varies with wire quality)

N-NCM-W

N-NCM-F (Fibre) Features:

- ✓ Supports multi-mode fibre optic cable
- ✓ Data is immune to all environmental noise
- ✓ Optical isolation prevents ground loops
- ✓ FireSense 2800/3030 Network fibre-optic medium
- ✓ Fibre type - 62.5/125 micrometers (multimode)
- ✓ Wavelength: 820 nanometres (use standard 850nm fibre)
- ✓ Connectors: ST® style
- ✓ 312.5 Kbaud transmission rate
- ✓ Data is regenerated at each node
- ✓ Maximum attenuation is 8dB with 62.5/125 μm cable and 4.2dB with 50/125 μm cable
- ✓ Fibre Connector Type: ST® Style

N-NCM-F

PRODUCT DESCRIPTION

The **Network Communication Module (NCM)** provides FireSense's AFP-2800 & AFP-3030 Fire Alarm Control Panel with a means to connect to the FireSense 2800/3030 Network. Two types of NCM are available: NCM-W for connecting nodes with twisted-pair wire and NCM-F for connecting nodes with multi-mode fibre optic cable.

Mixing Wire and Fibre on the same Network – In some networks, it may be necessary to mix twisted-pair wire and multimode fibre optic cable. These special network cards are available, please contact FireSense for more information.

Fibre	Fibre Type	Fibre Diameter (μm)	Max Attenuation	Wavelength
Multimode	OM1	62.5/125 μm	8dB	820 nanometers
Multimode	OM3	50/125 μm	4.2dB	820 nanometers

TECHNICAL SPECIFICATIONS

Temperature/Humidity range	0ºC to 49ºC (can be affected by extreme temperature ranges & humidity. Recommended to be installed in a room temperature of 15-27ºC)
Relative Humidity (non-condensing)	93% ± 2% at 32ºC ± 2ºC

ORDERING INFORMATION

N-NCM-W	Wire Network Card
N-NCM-F	Multimode Optical Fibre Network Card