### TECHNICAL DATA SHEET

for use by Architects & Engineers

# Class A Supervised Output Module





The contractor shall furnish and install where indicated on the plans, addressable Class A Supervised Output Modules (LE-DCP-SOM-A & -AI). The modules shall be UL listed and compatible with the fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall flash to indicate normal system communication . The LE-DCP-SOM-A & -AI shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The LE-DCP-SOM-A & -AI shall provide a monitor LED that is visible from outside the cover





- Built-in SCI circuitry (LE-DCP-SOM-AI only)
- Flexible application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16priority states plus zoning capability
- Programmed device output is turned off, silenced, or programmed to output the selected pattern
- UL 864 Listed

#### **Description**

The Class A Supervised Output Modules (LE-DCP-SOM-A & LE-DCP-SOM-AI) have been designed to provide application flexibility and quick response to emergency conditions. Flexibility is provided by a wide range of operating modes, including supporting multi-zone operations, and/ or functions, up to 16 different modulation patterns and multi-state programming. The operating parameters for the LE-DCP-SOM-A & -Al are maintained by the module and do not require individual communication with the control system during emergency conditions to operate. The control panel simply broadcasts system conditions on the Signaling Line Circuit (SLC) and the LE-DCP-SOM-A &-Al modules do the rest based upon the custom configuration. Each LE-DCP-SOM-A & -AI provides a single Class B or Class A circuit rated for 2.0 Amps @ 24VDC. Each LE-DCP-SOM-A &-Al also requires a 24 VDC power source in addition to the SLC

#### **Technical & Environmental Specification**

25.3 ~39 VDC Supply voltage Auxiliary supply voltage **24 VDC** 

LE-SOM-AI 420µA (typical) Average current consumption LE-SOM-A 220µA (typical)

Maximum 6mA: Red Alarm LED On

Current consumption on auxiliary Typical 150µA

power lines

SCI on resistance 40m ohm Max (normal condition)

SCI fault detection threshold 12 volts (typical) SCI Isolation current 10mA (typical)

Maximum quantity per loop 127 **Dimensions** 4.2"W x 4.7"H x 1.4"D Ambient temperature  $0^{\circ}$ C (32°F) ~ 49°C (120°F) Mounting 4" square electrical box Maximum output current 2A @ 24VDC power limited Relative humidity 90% RH Non condensing



Back of a LE-DCP-SOM-A



Back of a LE-DCP-SOM-AI

HEADQUARTERS | Unit 8, Calibre Industrial Park, Laches Close, Four Ashes, Wolverhampton, WV10 7DZ, United Kingdom | T +44 1902 798 706 F +44 1902 798 679 | E sales@lifeco-uk.com | lifeco-uk.com

### **TECHNICAL DATA SHEET**

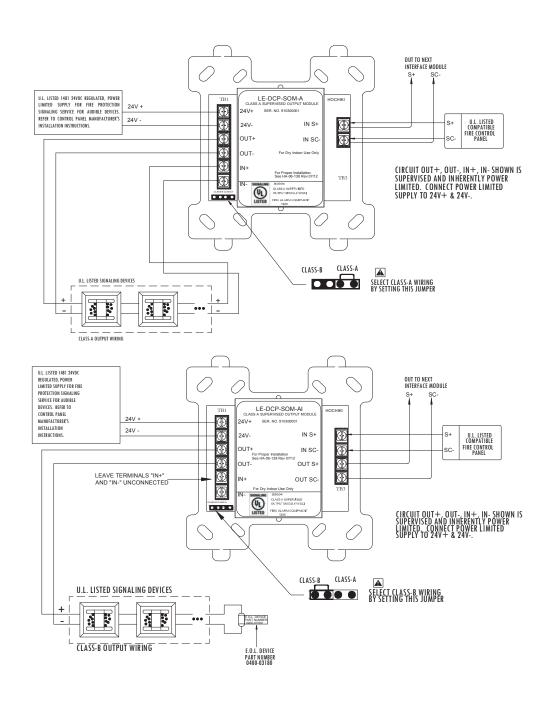
for use by Architects & Engineers

# Class A Supervised Output Module





#### **Wiring Details**



HEADQUARTERS | Unit 8, Calibre Industrial Park, Laches Close, Four Ashes, Wolverhampton, WV10 7DZ, United Kingdom | T +44 1902 798 706 F +44 1902 798 679 | E sales@lifeco-uk.com | lifeco-uk.com Page 2