NXFM SERIES
In-Fixture Module - Offset

Project Name

Catalog No.      Date

The Hubbell Control Solutions NXFM series in-fixture module enables a complete control solution for a single luminaire. The in-fixture module incorporates a single relay for On/Off control as well as industry standard 0-10 volt continuous dimming control. A second dimming channel is provided enabling the module to also provide color temperature control in luminaires equipped with compatible dual LED arrays. The unique snap-in mounting tray design and offset flying leads provide a compact package that allows maximum flexibility for mounting the module within the luminaire housing.

An extensive family of complimentary plug-in devices provide options for motion sensing, daylight harvesting, automatic high/low control, dusk/dawn On/Off, control, power monitoring, and scheduling. In standalone installations, setup and programming is performed using any Android™ or iOS® smart device with an available App that is free for download. Additionally, an optional plug-in radio module allows the luminaire to wirelessly connect to the NX HubbNET™ distributed lighting control network providing endless grouping and control options.

The NXFM in-fixture module is the perfect solution for applications requiring the flexibility of integrated fixture control in standalone or networked installations.

Product Features

• Designed for installation within luminaire housing
• Universal Voltage, 120-347V
• Mounting tray with snap in/snap out feature
• Space saving offset flying leads
• Integral relay for On/Off control
• Continuous dimming 0-10 volt control
• Second dimming channel for variable color temperature
• Compatible with SpectraSync™ enabled luminaires
• Wireless programming via free Smart Device App*
• SmartPORT™ technology for plug-in control and radio options
• Suitable for indoor and outdoor applications

*Requires use of Bluetooth® enabled sensor module

Compliance and Certification

UL LISTED

Dimensional Data

Notches accept tie wraps less than a .250” wide

Ordering Information

<table>
<thead>
<tr>
<th>SERIES</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXFM</td>
<td>1R2D-O-UNV</td>
</tr>
</tbody>
</table>

NXFM NX Fixture Module
1R2D-O-UNV 1 Relay 2 Dimmer Offset Leads Universal Voltage, 120-347V
Wiring Information

For SpectraSync™ applications, the highest CCT LED should be on CH1 and the lower CCT LED should be on CH2.
## NXFM SERIES

### In-Fixture Module - Offset

### General Specifications

| **Electrical Ratings** | Input: 120-347VAC, 10A Max, 50-60Hz  
Output: 10A, 120VAC only, Incandescent  
10A, 120-347VAC, Magnetic Ballast  
5A, 120-277VAC, Electronic Ballast  
3A, 347VAC, Electronic Ballast  
Surge Withstand: 2000V  
Peak Inrush: 160A for 2ms Max |
|------------------------|--------------------------------------------------------------------------------------------------|
| **Standby Power (W)**  | 120VAC: 0.2  
277VAC: 0.4  
347VAC: 0.5 |
| **Control**            | Low Voltage SmartPORT |
| **Dimming**            | 0-10V, 30mA per channel  
For use with low-voltage, two-wire dimming ballast and LED drivers |
| **Operating Environment** | Operating Temperature: -40°F to 185°F [-40°C to 85°C]  
Relative humidity (non-condensing): 0 to 95% |
| **Construction**       | Housing: GSM UL Rated 94 HB Plastic |
| **Mounting**           | Mounts inside fixture |
| **Dimensions**         | 4.8”L x 1.6”W x 1.45”H (121.92mm L x 40.64mm W x 36.83mm H) |
| **Weight**             | 4 oz (113.4 g) |
| **Color**              | Blue |
| **Certifications**     | Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983  
IC Approved |
| **Warranty**           | Five-year limited |

### DEFAULT DIMMING OPERATION

| **Occupancy Sensor Only** | On to 80% light level |
| **Occupancy Sensor and Dimming Switch** | On to 80%, override with dimming or scene switch |
| **Switch only**           | On to previous level or custom level depending on switch type and settings |