



Power Packs and Relays

MP Power Pack "A" Series

KEY FEATURES

- Plenum rated
- Self-contained transformer and relay
- 347 VAC, 60Hz
- Regulated 24 VDC current; 100 mA output
- Easily mounts inside or outside a junction box
- Optional Quick To Install (QTI) connector
- Companion auxiliary relay device available
- UL and cUL listed
- 5-year warranty



MP347A



MP Slave
MPSA

OVERVIEW

Hubbell Building Automation's MP power packs provide two electrical functions: the 24 VDC power supply (to operate sensors) and the 20 Amp line-voltage relay (to control the load). Using a simple twist-on nut, the unit mounts easily inside or outside a junction box. The MP power packs can power either 3 sensors or 2 sensors and the MPSA auxiliary relay for multiple circuits.

FEATURES and BENEFITS

Features

- Plenum rated
- Self-contained transformer and relay
- Optional Quick To Install (QTI) connector

Benefits

- Complies with requirements for use in a plenum area
- No need for separate transformers and relay devices
- Dramatically reduces installation costs by removing the time-consuming process of manually wiring a sensor to a power pack
- Easy to install; fast and efficient; no cutting, stripping, or wire nuts required

APPLICATIONS

- Offices
- Small conference rooms
- Break rooms

SPECIFICATIONS

Construction	• High-impact UL 94-5V plastic																																			
Relay	• Class B (130° C) insulating material • Silver-alloy contacts																																			
Transformer	• Class II 347 VAC primary																																			
Output	• 24 VDC; 100 mA nominal, full-wave rectified, and filtered • Each HBA sensor contains an internal voltage regulator																																			
Relay contact rating	• 15 A; 347 V Ballast																																			
Wire	• 7" leads 18 AWG input; 7" leads 16 AWG contacts																																			
Plenum rated	• Complies with requirements for use in a plenum area (compartment-handling conditioned air)																																			
Power requirements	• 347 VAC @ 60Hz.																																			
Total wire length	<table border="1"> <thead> <tr> <th></th> <th>1 sensor 0 slaves</th> <th>2 sensors 0 slaves</th> <th>3 sensors 0 slaves</th> <th>1 sensor 1 slave</th> <th>2 sensors 1 slave</th> <th>1 sensor 2 slaves</th> </tr> </thead> <tbody> <tr> <td>22 AWG</td> <td>750'</td> <td>375'</td> <td>250'</td> <td>375'</td> <td>250'</td> <td>250'</td> </tr> <tr> <td>22 AWG</td> <td>750'</td> <td>375'</td> <td>250'</td> <td>375'</td> <td>250'</td> <td>250'</td> </tr> <tr> <td>20 AWG</td> <td>1,200'</td> <td>600'</td> <td>400'</td> <td>600'</td> <td>400'</td> <td>400'</td> </tr> <tr> <td>18 AWG</td> <td>2,400'</td> <td>1,200'</td> <td>800'</td> <td>1,200'</td> <td>800'</td> <td>800'</td> </tr> </tbody> </table>		1 sensor 0 slaves	2 sensors 0 slaves	3 sensors 0 slaves	1 sensor 1 slave	2 sensors 1 slave	1 sensor 2 slaves	22 AWG	750'	375'	250'	375'	250'	250'	22 AWG	750'	375'	250'	375'	250'	250'	20 AWG	1,200'	600'	400'	600'	400'	400'	18 AWG	2,400'	1,200'	800'	1,200'	800'	800'
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Operating environment	• Indoor use only • Operating temperature: 32°–104° F (0°–40° C) • Relative humidity (non-condensing): 0%–95%																																			
Size and weight	• 3.69" x 2.33" x 1.36"; 15 oz. (93 mm x 59 mm x 35 mm; 400g) • Weight: 5.0 oz (142g)																																			
Color	• Black																																			
Certifications	• UL and cUL listed																																			
Warranty	• 5 years																																			

HOW TO ORDER

Model #	Power Input	Control Input	Output
MP347A	347 VAC, 60Hz	24 VDC, 5 mA	24 VDC, 100 mA
MPSA (Auxiliary Slave Device)*	N/A	24 VDC, 5 mA	N/A

*Add QTI to end of catalog number for optional Quick To Install connector



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