



Total Lighting Control

Heavy-duty Switchpack for ceiling-mounted occupancy sensors

DESCRIPTION AND FEATURES

- Isolated (dry) 20 A contacts
- Zero-crossing circuit for high inrush current loads
- 120/277 VAC operation
- Easy mounting on or in a junction box

The RTPACK combines a Class 2 transformer and a heavy-duty Form A relay in a single housing, eliminating the need to install and wire separate transformers and relays when installing GE TLC's stand-alone RSEN-xx ceiling sensors. Zero crossing circuitry ensures that the relay contacts engage at the zero crossing point of the AC voltage source when the load is activated, thereby minimizing relay damage when used to control high inrush loads. The relay contacts also disengage at the zero crossing point when the load is deactivated. This minimizes relay damage when controlling inductive loads and increases the life of the switchpack.

The RTPACK can be used on either 120 or 277 VAC circuits and is UL listed. A single switchpack can provide power for up to five sensors. Up to ten switchpacks can be connected to one sensor for control of multiple circuits. Isolated contacts may also be used to control HVAC, contactors, motors, etc.

The RTPACK is designed to work with GE TLC ceiling sensors which require a switchpack (RSEN-xx series ceiling sensors). It cannot be used with GE TLC sensors designed for use with our low-voltage relay systems (RSENSOR-x series).

INSTALLATION

The RTPACK is designed to be mounted externally to any standard junction box. When mounted, the line connections are inside the box, and the Class 2 wiring exits via the rear of the switchpack housing. In areas where Class 2 wiring is not permitted, the switchpack can be mounted internally to a standard junction box. Refer to the **RTPACK Mounting** illustration on the reverse side.

All connections are made via pigtails with twist-on wire connectors. See **RTPACK Wiring** on the reverse side.

NOTE: Connect only one of the black or orange supply leads to the power source. Cap the unused lead.

ELECTRICAL RATINGS AND SPECIFICATIONS

Contacts: 15A 120 VAC Tungsten
20A 120 VAC Ballast
20A 277 VAC Ballast

1 HP 120 VAC
2 HP 250 VAC

Contacts are isolated and may be used to control low-voltage circuits. Relay contacts are silver alloy.

Input: 120 or 277 VAC $\pm 10\%$ 60 Hz

Output: 15 VDC 200 mA to operate up to five sensors. Class 2 Teflon insulated leads for plenum installations.

Control: Connecting the #22 AWG black and blue control leads to each other will close the relay contacts.

Certification: UL Listed

Size: 2^{15/16}" x 2^{7/16}" x 1^{11/16}"

Weight: Approx. 9 oz.

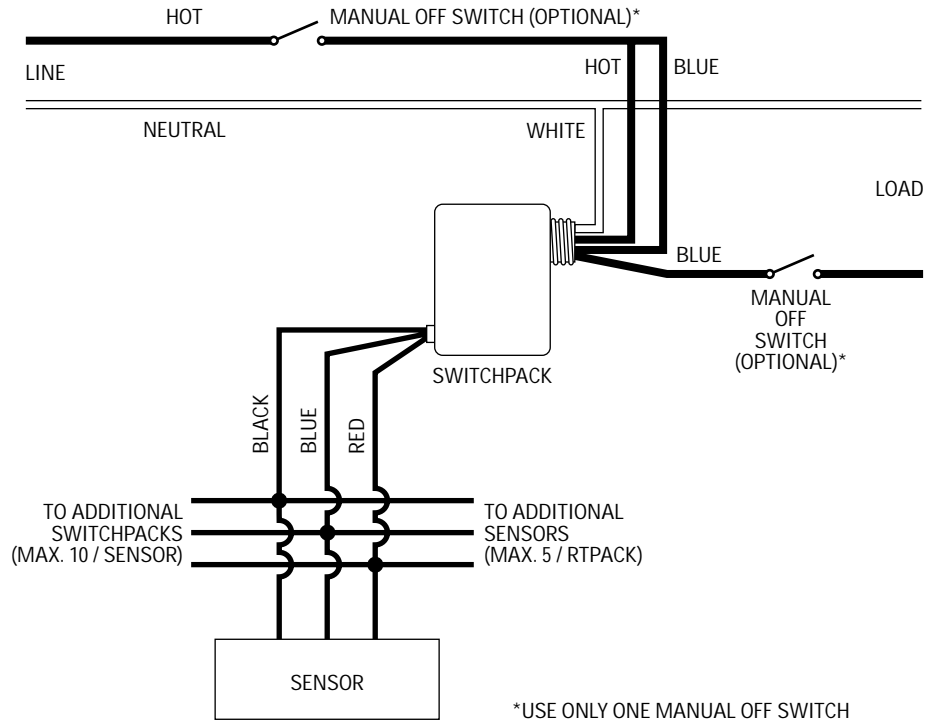
Housing: Medium impact injection molded housing. ABS resin complies with UL 94V0. Plenum-rated for external junction box mounting.

Note: The life of some compact fluorescent lamps (CFLs) is shortened by frequent automatic or manual switching. Check with CFL and ballast manufacturer to determine effects of cycling.

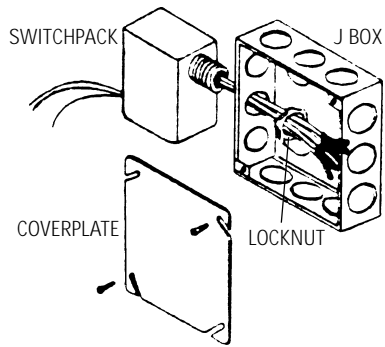
For installation assistance, contact GE TLC Service at 1-877-584-2685.

TROUBLESHOOTING

RTPACK Wiring



RTPACK Mounting



RTPACK Internal Wiring

