GT199-A
WIRING INSTRUCTION

Phone: 833-2-PDQTEC | www.pdqlocks.com

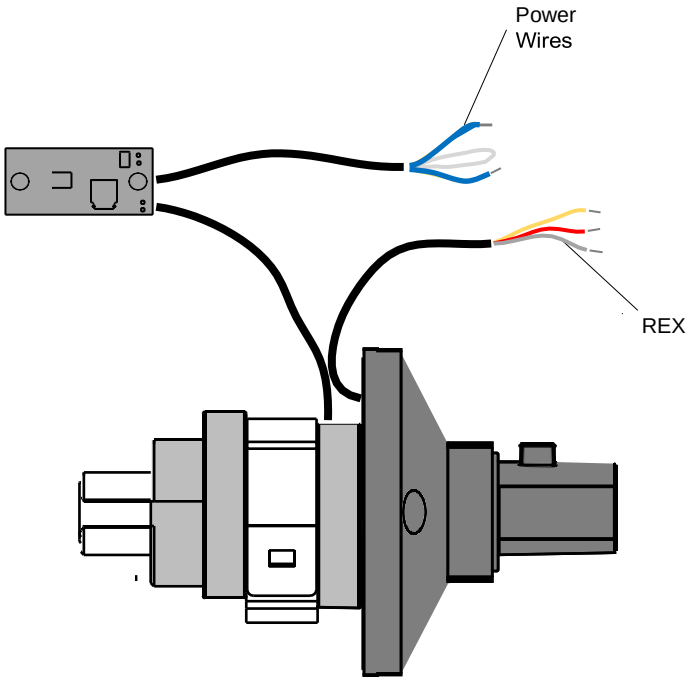
General Information:

Fail Secure Power to Unlock (Default)
Outside trim is locked when power is OFF, and unlocked when power is ON.

Fail Safe Power to Lock
Outside trim is locked when power is ON, and unlocked when power is OFF.

To convert from fail secure to fail safe, cut the white wire loop. No need to cover the cut wires. To revert to fail secure, reconnect the white wires with a suitable wire nut for two 24AWG wires.

Key Function
When key cylinders are installed into locks, the latch bolt may be momentarily retracted with key even if the lockset is electrically locked.



FIELD WIRING CONNECTIONS

Power:
- Blue or yellow wires are power leads.
  - Polarity is not important.
- White Loop – Cut for Fail Safe.

REX:
- Yellow Wire - Common
- Red Wire – Normally Open
- Gray Wire – Normally Closed

SEE REVERSE FOR OPTIONAL ISMC WIRING

Electrical Specifications - Keep operating voltage at +/- 10% of rated voltage.

Vin	Max. Initial Inrush Current	Standby Current
12-24 VDC	1.0A	5mA
12 –24 VAC	1.0A	15mA

Important Note: Power must be applied to lock for a minimum of 5 seconds. It may be necessary to adjust the default time delay on your system. Device may not lock reliably if powered for less than 5 seconds.

GT199-A Wiring Instruction

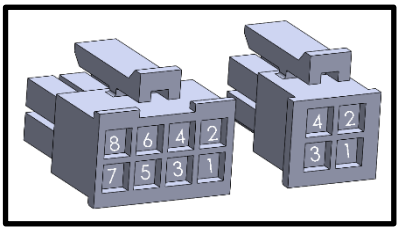
REX - Request to Exit:

REX is a SPDT switch mounted inside the Inside Trim. The REX switch monitors the activation of the inside trim.

REX switches are mainly used as a dry contact monitoring switch. Electrical

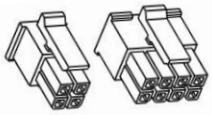
Specifications: SPDT Mechanical Switch

Voltage	Current
125 VAC	3 A
30 VDC	2 A



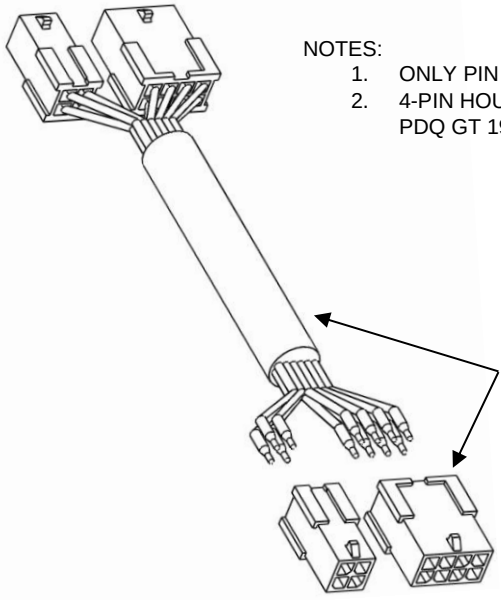
TERMINAL INSERTION END IS SHOWN

ISMC INFORMATION FOR PDQ GT 199A ELECTRIFIED CYLINDRICAL LOCK



GT199A Pinout		
8 Pin	**Function**	**Color**
Pin 1	Power	Blue/Yellow
Pin 2	Power	Blue/Yellow
Pin 3	REX (COM)	Yellow
Pin 4	REX (N/O)	Red
Pin 5	REX (N/C)	Gray
Pin 6	N/A	N/A
Pin 7	N/A	N/A
Pin 8	N/A	N/A

Housing Cable Pinout	
8 Pin	**Color**
Pin 1	Black
Pin 2	Red
Pin 3	White
Pin 4	Green
Pin 5	Orange
Pin 6	Blue
Pin 7	Brown
Pin 8	Yellow
4 Pin	**Color**
Pin 1	Violet
Pin 2	Gray
Pin 3	Pink
Pin 4	Tan



NOTES:
1. ONLY PIN TO TERMINAL AS NEEDED
2. 4-PIN HOUSING IS NOT USED FOR PDQ GT 199A

HOUSING AND HARNESS SUPPLIED BY OTHERS

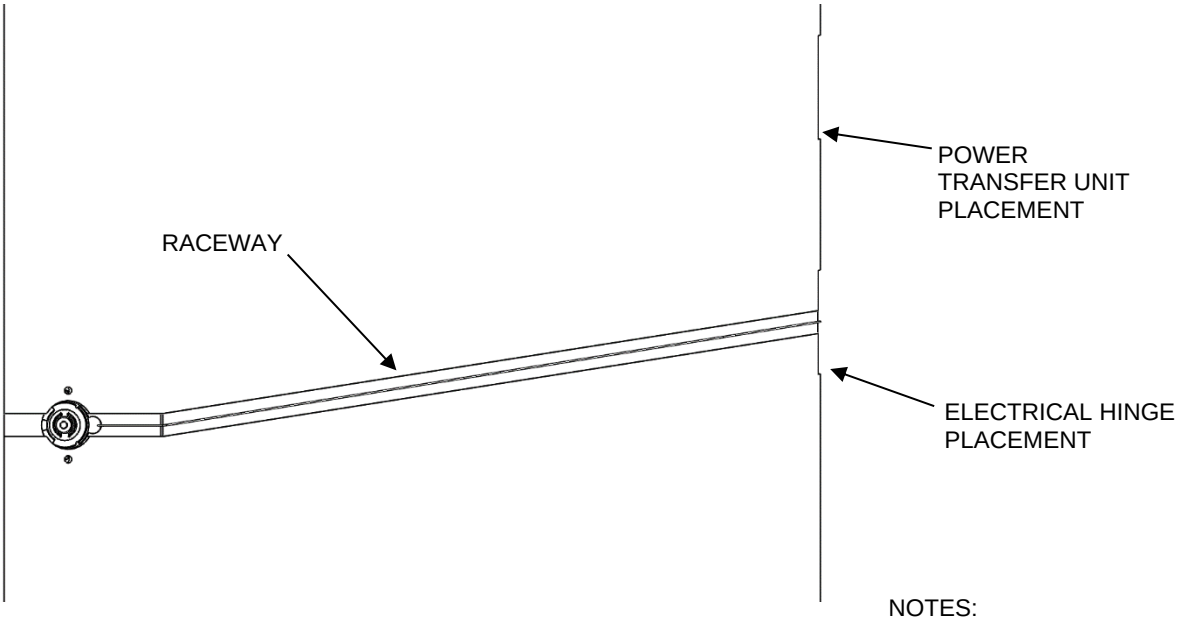
FOR ASSISTANCE, CONTACT PDQ TECHNICAL SUPPORT AT 1-800-441-9692

DOOR PREPARATIONS FOR PDQ GT 199-A

Follow all cylindrical lock templates and instructions for installation specifications

Door raceway preparations are required for electrical component wiring from cylindrical lock to power transfer unit / electrical hinge. See below diagram for specifications on raceway

STANDARD



NOTES:

1. 3/8” DIAMETER RACEWAY IS REQUIRED (FOR ISMC OPTION: 5/8” DIAMETER RACEWAY)
2. FOR ISMC: HARNESS IS REQUIRED, SUPPLIED BY OTHERS

ISMC OPTION