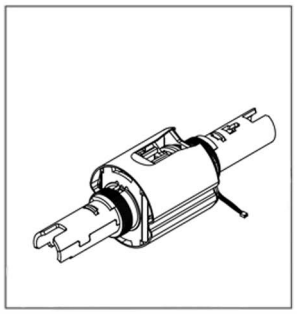
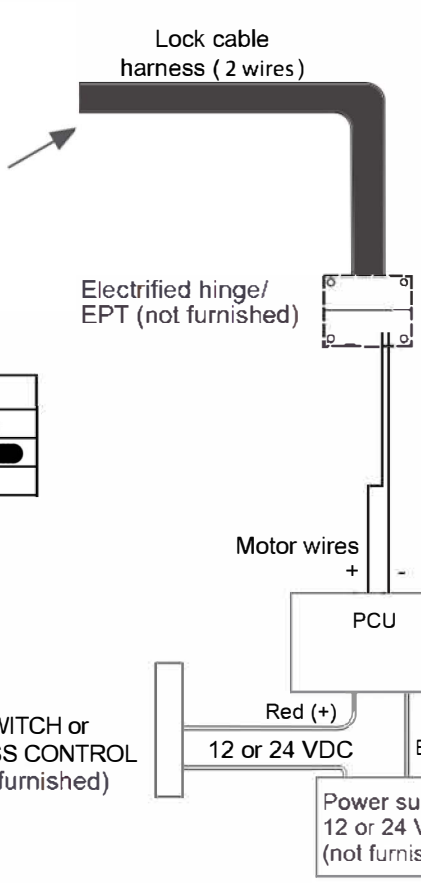
Wiring Instructions for PCU (Electrified Cylindrical Lock)





Pin Chart		
Pin#	Color	Description
1	Grey	Motor -
2	Red	Motor +

Electrical Requirements:
The Power Converter Unit (PCU) is powered by DC power only.

Do not use AC power.

- Voltage: 12 or 24 V DC (maximum 30 V, minimum 10 V)
- Peak current: 1.2 amps
- Holding current: 0.010 amps
- Operating temperature: 32°F to 120°F (0°C to 49°C)

	AWG	14	16	18	20
Voltage	12 V	400'	250'	150'	75'
	24 V	400'	250'	150'	75'

Note: The Red (+) and Black (-) terminals must match the polarity of the power supply. The distance noted in the table above is PCU to power supply. PCU to be within 20' of locking device

	AWG	22
Voltage	12 V	20'
	24 V	20'

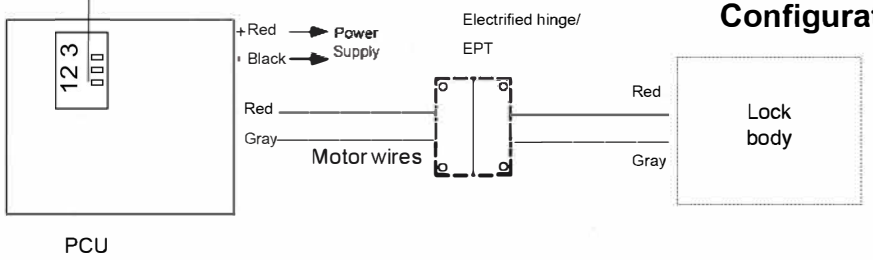
Select the appropriate mode for the installation by changing the wiring of the red and grey wires

FS, electrically locked (fail safe):
Outside knob/lever or both outside and inside knobs/ levers (depending on function) will lock when power is applied. In the event of power failure, the opening will be unlocked.

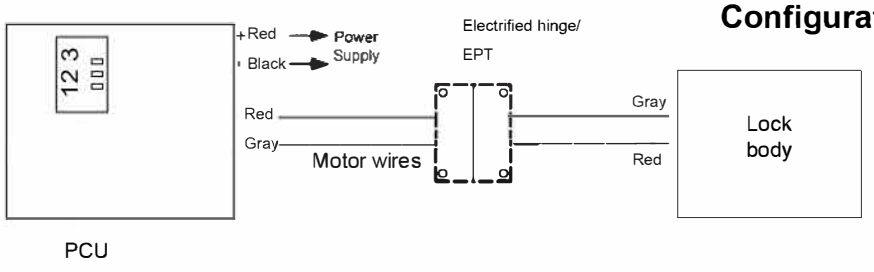
FSE, electrically unlocked (fail secure):
Outside knob/lever or both outside and inside knobs/ levers (depending on function) will unlock when power is applied. In the event of power failure, the opening will be locked.

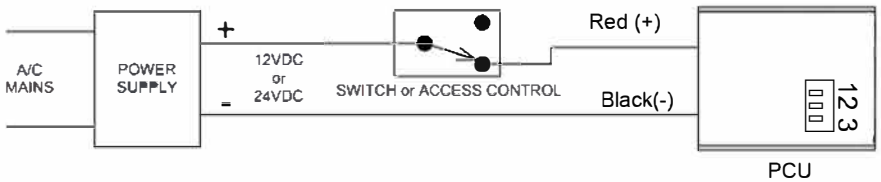
Standard DIP switch Configuration

Fail Safe Configuration



Fail Secure Configuration





Note: When mode is switched (from FS to FSE or FSE to FS) the lock requires a complete lock/unlock power cycle to synchronize to the proper mode.