

## GENERAL DESCRIPTION

The Auxiliary Power Transfer Circuit is designed to transfer generator or AC systems power to AC fluorescent lighting ballasts in the event of a utility power failure. This transfer function occurs independent of wall switch position. One APTC device is required per lighting fixture. The APTC is UL 924 listed for use in damp locations in a temperature range of 32°F (0°C) to 131°F (55°C). The APTC meets the Buy American requirements.

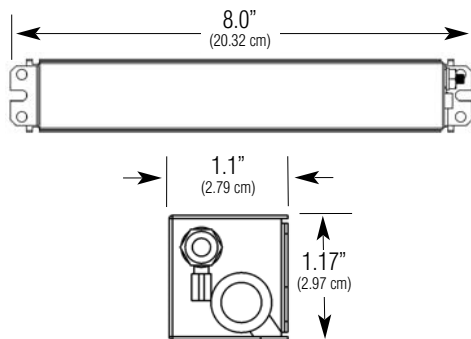
## ILLUMINATION

Emergency illumination is provided to designated fluorescent fixtures by transferring backup generator or inverter power to the AC ballast. The designated emergency fixture can be locally switched, and will provide full rated light output when operating from emergency power.

## INSTALLATION

The APTC is designed to be factory or field installed in the fixtures ballast channel or mounted on top when using the supplied end cap.

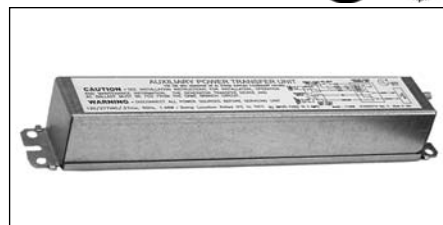
## DIMENSIONS



Dimensions are approximate and subject to change.

# APTC

## Auxiliary Power Transfer Circuit



SHOWN: APTC

## HOUSING

Housing and cover are constructed of 24 gauge galvanized steel. Low profile housing allows mounting in most low profile fluorescent fixtures with low profile AC ballast.

## ELECTRONICS

120/277 VAC dual input voltage with all inputs fused to 3 amps.

## ELECTRICAL SPECIFICATIONS

120/277 VAC - .27mA - 1.48 watts  
All inputs fused to 3 amp

## CODE COMPLIANCE

UL 924 "Auxiliary Power and Lighting Equipment"  
Listed

UL damp location listing standard 32°F (0°C) to 131°F (55°C)

NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

## WARRANTY

Five years full warranty.

## OPERATING TEMPERATURE RANGE

32°F (0°C) to 131°F (55°C)

## ORDERING INFORMATION

APTC

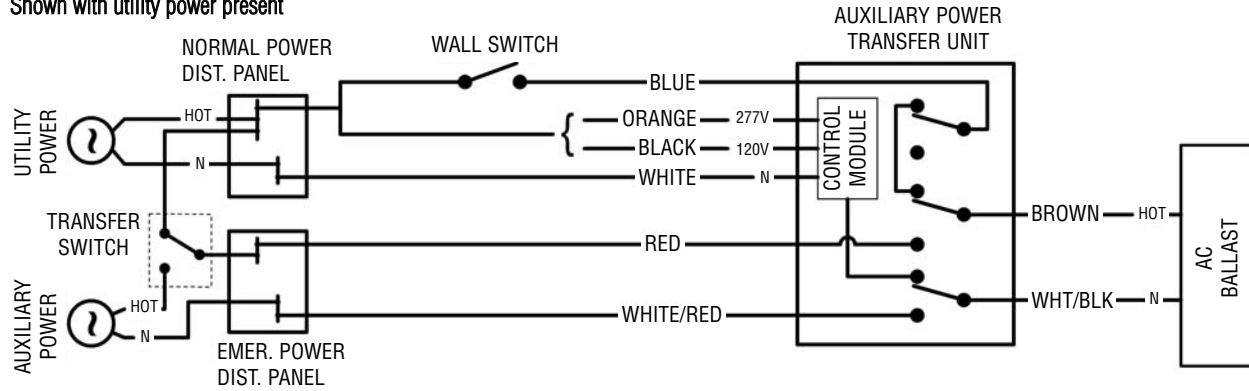
SERIES

APTC = Auxiliary Power Transfer Circuit

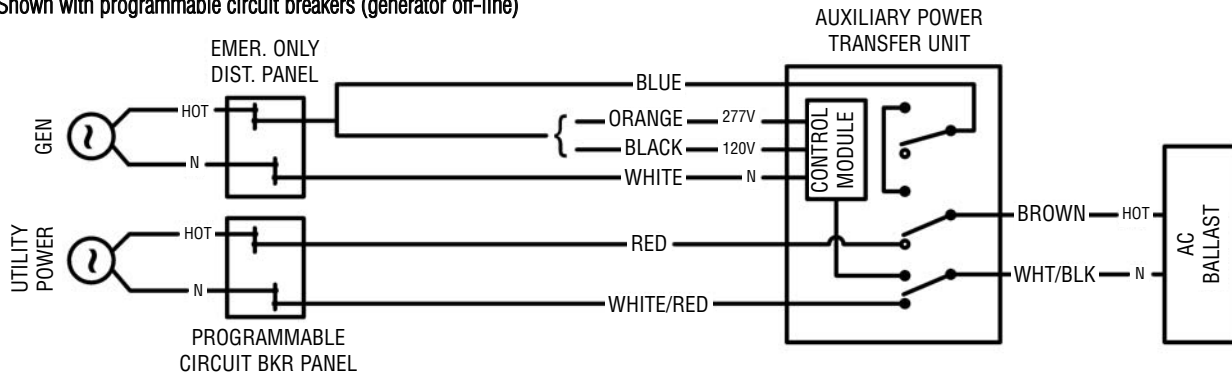
# Specification Data for Auxiliary Power Transfer Circuit

## TYPICAL WIRING DIAGRAM

Shown with utility power present



Shown with programmable circuit breakers (generator off-line)



## SUGGESTED SPECIFICATION

Furnish and install Chloride's model \_\_\_\_\_. The unit shall be constructed to meet Underwriters Laboratories, Inc. Standard 924 "Auxiliary Power and Lighting Equipment" and the National Electrical Code (NEC).

**INSTALLATION AND OPERATION** – Unit shall be easily field connected to a 120 or 277 VAC, 60 Hz, unswitched power source. Unit shall also be easily field connected to an auxiliary power source such as a generator or AC Inverter system. Installation must comply with the NEC as well as other applicable codes. Upon utility failure, the unit shall automatically transfer auxiliary power to the AC ballast and provide full lumen output from the designated emergency fixture

**TRANSFER FUNCTION** – Unit shall have 120/277 VAC dual input voltage and all inputs shall be fused to 3 amps. Transfer to the emergency mode shall be automatic and independent of the wall switch position.

**ILLUMINATION** – Unit shall be capable of transferring emergency power, from a generator or inverter directly to the AC ballast

**HOUSING** – Housing and cover shall be of 24 gauge galvanized steel. The unit shall be UL listed for installation in the ballast channel or on top of the fixture. The unit shall be damp location listed with an application temperature range of 32°F (0°C) to 122°F (55°C).



**CHLORIDE**  
SYSTEMS

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