



Submittal Data Information

301-2695

T1P - Taco Single Phase Starter

EFFECTIVE: MARCH 11, 2015

SUPERSEDES: NEW

JOB _____ ENGINEER _____

CONTRACTOR _____ REP. _____

ITEM NO. _____



T1P - TACO SINGLE PHASE STARTER

1Ø, 110V, 1/10 - 1HP

1Ø, 240V, 1/10 - 1HP

The T1P protects single phase motors with an adjustable 1-16A class 10 electronic overload. It includes features like run status verification, a concealed Hand/Auto switch, lockable on/off switch, and system override mode (smoke purge). All of this in a compact design that installs on a single junction box.

FEATURES

On/Off Disconnect Switch with Recessed Hand/Auto Modes

- Concealed Hand/Auto switch discourages tampering
- Lockable motor-rated On/Off switch meets safety regulations
- Meets NEC motor service disconnect requirements when properly installed
- LED indicator lights for power, run and fault

Run Status Verification

- Integrated current sensing confirms motor operational status
- Quickly and accurately pinpoint malfunctioning equipment

Voltage & Dry Inputs for Auto Run Command

- Wire directly from the automation system to the starter, no interposing relays necessary
- Save on installation costs and increase reliability.

System Override Mode (Fireman's, Occupancy or Manual)

- Initiates smoke purge sequence during emergency situations for safety and code compliance or use for occupancy sensor run input (dry contact)

Wide Range Class 10 Electronic Overload

- Prevents ordering confusion and eliminates call backs due to mis-sized heaters
- Advanced protective features including anti-cycling, manual/auto reset, etc.

Standard Single Gang Box Installation

- Easy to install in any location
- Surface or flush mount capability

High Reliability

- Heavy duty motor-rated switch and control relay
- No thermal elements to fail
- UL 508 Listed



UL Type 4

Special Instructions:

T1P Specifications

T1P Specification

Starter Type

T1P - Taco Starter, 1-Phase

120~230VAC, 1-Phase, 50/60Hz input, Across the line, full-voltage non-reversing (1HP)

UL Type 1, 4, 4XS

User Interface

On/Off Switch, Concealed Hand-Off-Auto Switch

Standard Control Operations

Inputs	Voltage Auto-Run	Accepts 12-250VAC/DC. Applying voltage will send a run command to the starter when in Auto mode.
	Dry Contact Auto-Run	Normally Open dry contact. When closed, the starter will be commanded to run when in Auto mode.
Outputs	Status Relay	Normally Open relay contacts. Status Relay will close when the motor draws 60% of the FLA dial setting.
	Fault Relay	Fault Relay will close in the event of a fault trip. Contact Ratings: 0.3A @ 125VAC, 1A @ 24VAC
Operational	Overload Type	Electronic I ² t trip curve
	Fault Reset	Manual or Automatic
	Power Fail Mode	Return to last mode the starter was placed in (Hand/Off/Auto) with no delay (default)

Environmental

Ambient Operating Temp	-5° to 104° F (-20° to 40° C)
Ambient Storage Temp	-5° to 185° F (-20° to 85° C)
Relative Humidity	5% to 95% non-condensing

Motor Protection	Adjustment / Description	Default Setting
Overload Current Setting Range	1-16A	Per FLA
Overload Trip Class	Class 10, Trip current = 115% of FLA setting	Class 10
Locked Rotor / Stall	Trips within 2 seconds @ 300% FLA setting	Always On

Ordering Information

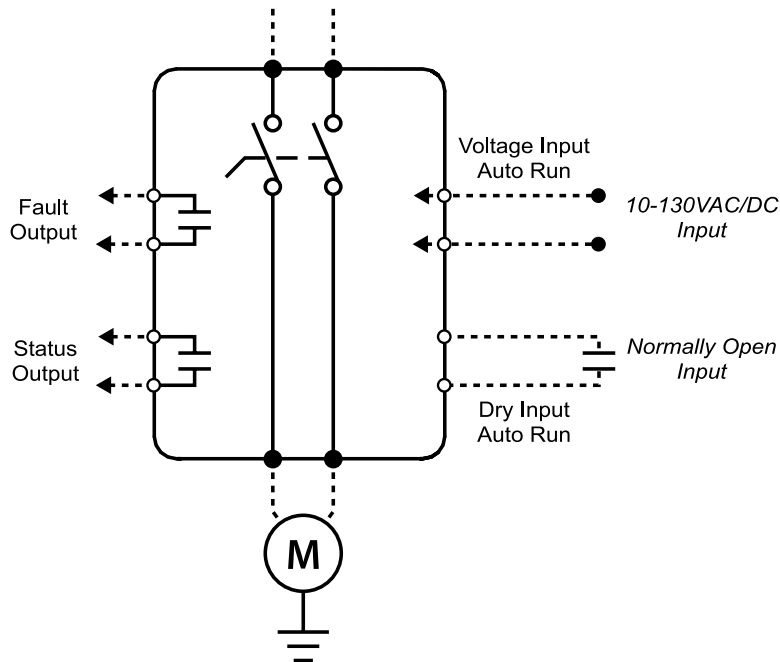
Starter with Manual Overload Trip Reset - UL Type 1	TS1P
Starter with Manual Overload Trip Reset - UL Type 4	TS41P
Starter with Manual Overload Trip Reset - UL Type 4XS	TS4XS1P

Submitted Equipment Schedule

[illegible]

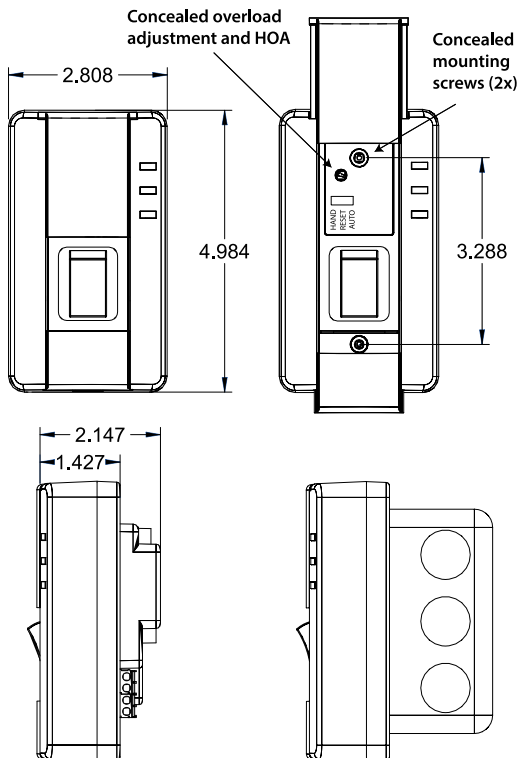
T1P Wiring Schematics

1Ø AC Input 50/60 Hz



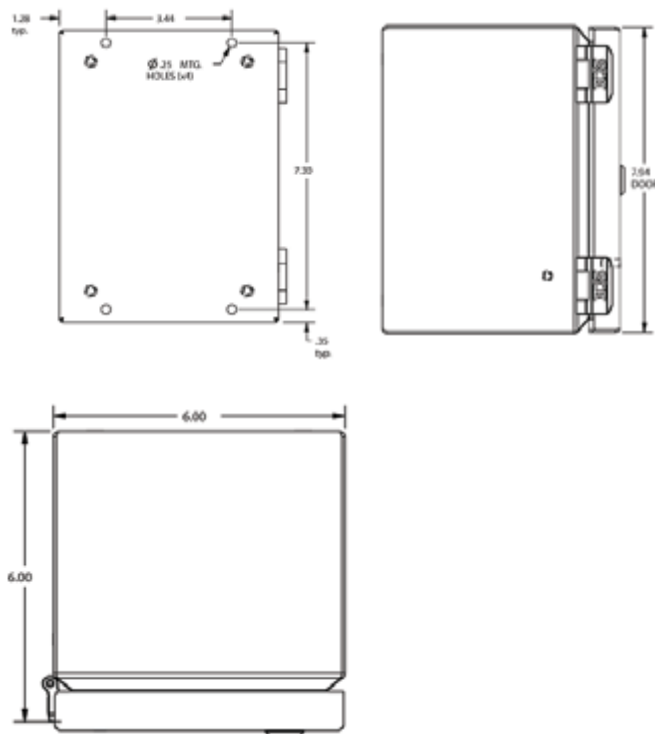
Dimensions - UL Type 1

All dimensions displayed in inches



Dimensions - UL Type 4 & 4XS

All dimensions displayed in inches



Do your best work.®

TACO INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 Fax: 942-2360

TACO (Canada), Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 Telephone: 905/564-9422 Fax: 905/564-9436

Visit our website at: www.taco-hvac.com

Printed in USA

Copyright 2015

TACO, Inc.