

T1P - Taco Starter Single Phase

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.



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Features & Benefits

Taco Starter - Single Phase Benefits

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

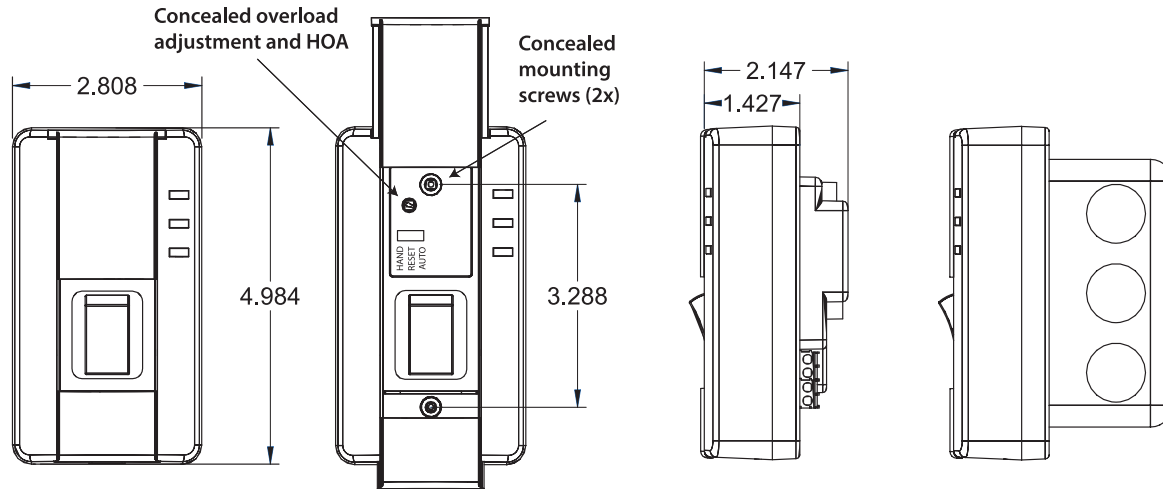


T1P Dimensions

NEMA 1 Dimensions

*All measurements shown in inches

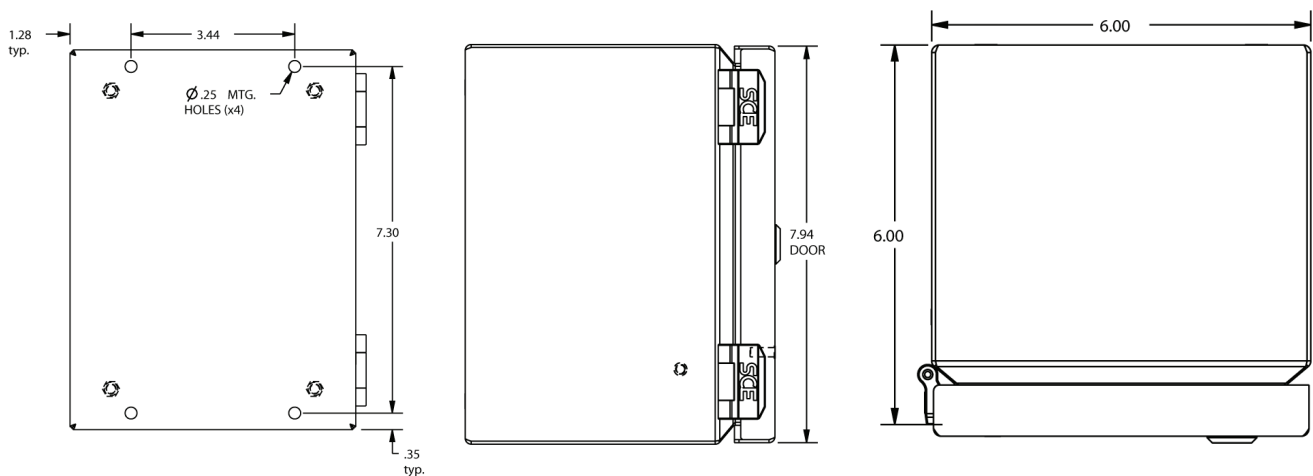
Combination Starter	Description	H	W	D
TS1P	Starter with Manual Overload Trip Reset NEMA 1	5	2.8	2.2



NEMA 4 & 4XS Dimensions

*All measurements shown in inches

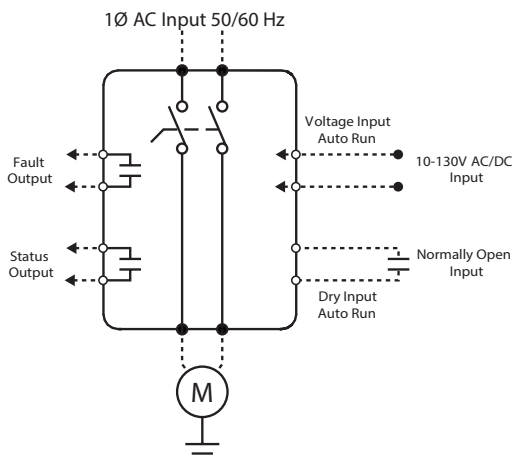
Combination Starter	Description	H	W	D
TS41P	Starter with Manual Overload Trip Reset NEMA 4	7.94	6	6
TS4XS1P	Starter with Manual Overload Trip Reset NEMA 4XS	7.94	6	6



T1P Wiring Diagram

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Wiring Diagram Standard wiring schematic shown, actual product wiring may vary depending on options selected



Ordering Information

Starter with Manual Overload Trip Reset NEMA 1	TS1P
Starter with Manual Overload Trip Reset NEMA 4	TS41P
Starter with Manual Overload Trip Reset NEMA 4XS	TS4XS1P

T1P Specification

Starter Type

T1P - Taco Starter, 1-Phase, 1/10-1 HP

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

NEMA 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. <u>Contact Ratings</u> : 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



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