

Document 474102

Greenheck Test Switch GTS-1, GTS-2, GTS-3, and GTS-4

Installation Instructions Supplement

Refer to:

'Installation Instructions for FSD-XXX, DFD-XXX, and SSFSD-XXX Series Fire & Combination Fire Smoke Dampers' (Part #481318)

or

'Installation Instructions for SMD-XXX, SESMD-XXX, SSSMD-XXX and SMDR-XXX and SSSMDR-XXX Series Smoke Dampers' (Part #461338) for additional details.

Greenheck Test Switches (GTS-1, GTS-2, GTS-3, and GTS-4) are used in dynamic smoke management systems containing Combination Fire Smoke, Smoke, or Fire Dampers.

GTS-1 and GTS-2

The GTS-1 and GTS-2 can be used with combination fire smoke dampers equipped with Greenheck's TOR option. The GTS-1has a red indicator light to show that the damper is in the closed position and green indicator light to show that the damper is in the open position. The GTS-2 has a key switch with red indicator light for closed damper, green for open damper. The GTS-1 and GTS-2 has a three position control switch with the following options:

- Normal position power is routed to the actuator through the primary, low-temperature, thermostat
- Closed position power is cut to the actuator closing the damper
- Override position power is routed to the actuator through the secondary, high - temperature, thermostat. This position is used to reopen the damper for smoke control purposes after the damper's primary thermostat has tripped and closed the damper. The damper will close when the secondary thermostat's temperature is reached, when a smoke detector senses smoke or when power is cut by a smoke or building management system.

GTS-3

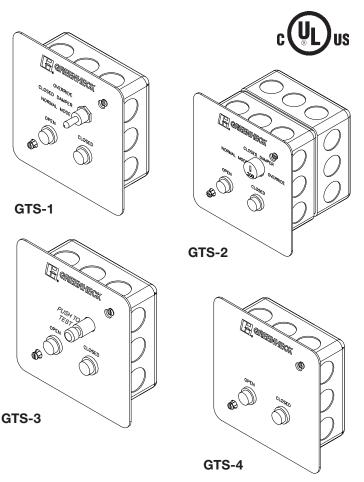
The GTS-3 can be used with combination fire smoke dampers equipped with Greenheck's RRL/OCI option or with smoke dampers equipped with Greenheck's OCI option. The GTS-3 has the same red indicator light to show that the damper is in the closed position and green indicator light to show that the damper is in the open position as the GTS-1. It also has a push-button momentary switch that can be pushed and held in place to cut power to the actuator and close the damper. When the button is released power flows back to the actuator and opens the damper.

"UL CLASSIFIED (see complete marking on product)"
"UL CLASSIFIED to Canadian safety standards
mU(see complete marking on product)"

Standards UL 555 & 555S

Classifications Filed at UL under Listing #R13317

1½ hour Fire Dampers Multi - Blade
 DFD Series
 1 1/2 hour Combination Fire Smoke
 Dampers - FSD Series
 Smoke Dampers SMD Series

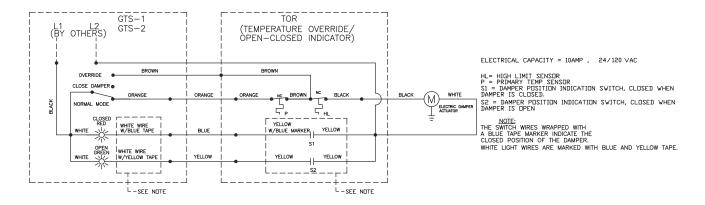


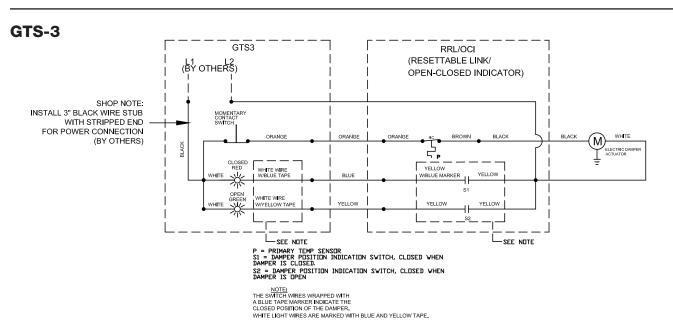
GTS-4

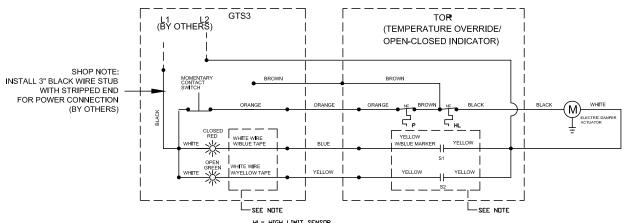
The GTS-4 can be used with combination fire smoke dampers equipped with Greenheck's RRL/OCI option or with smoke dampers or multi-blade fire dampers built with Greenheck's OCI option. The GTS-4 has the same red indicator light to show the damper is in the closed position and green indicator light to show that the damper is in the open position as the GTS-1.

Wiring Diagrams

GTS-1 & GTS-2





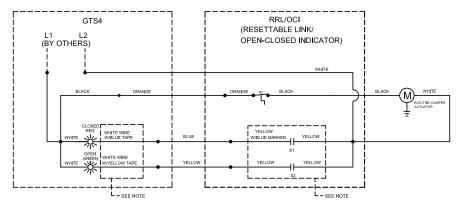


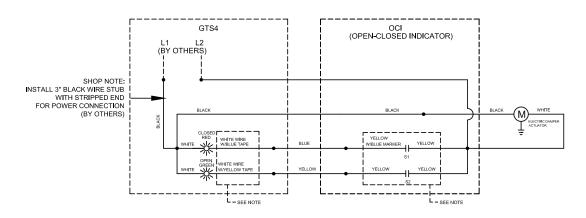
HL= HIGH LIMIT SENSOR
P = PRIMARY THE SENSOR
SI = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN
DAMPER IS CLOSED.
DAMPER POSITION INDICATION SWITCH, CLOSED WHEN
DAMPER IS UPEN

NOTE:
THE SMITCH WIRES WRAPPED WITH
A BLUE TAPE WARKER NOTCATE THE
CLOSED POSITION OF THE DAMPER;
WHITE LIGHT WIRES ARE MARKED WITH BLUE AND YELLOW TAPE.

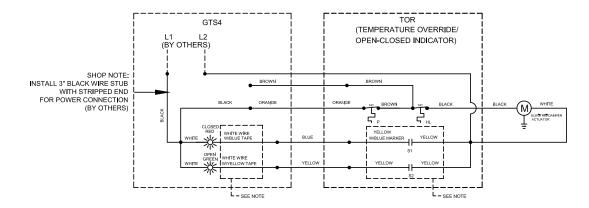
Wiring Diagrams

GTS-4





THE SWITCH WIRES WRAPPED WITH
A BLUE TAPE MARKER INDICATE THE
CLOSED POSITION OF THE DAMPER.
WHITE LIGHT WIRES ARE MARKED WITH BLUE AND YELLOW TAPE.



HL= HIGH LIMIT SENSOR P = PRIMARY TEMP SENSOR SI = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS CLOSED. S2 = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS OPEN

NOTE:
THE SWITCH WIRES WRAPPED WITH
A BLUE TAPE MARKER INDICATE THE
CLOSED POSITION OF THE DAMPER.
MINITE I LIGHT WIRES A DE MARKER INTIN BILLIE AND YELLOW TARE.

