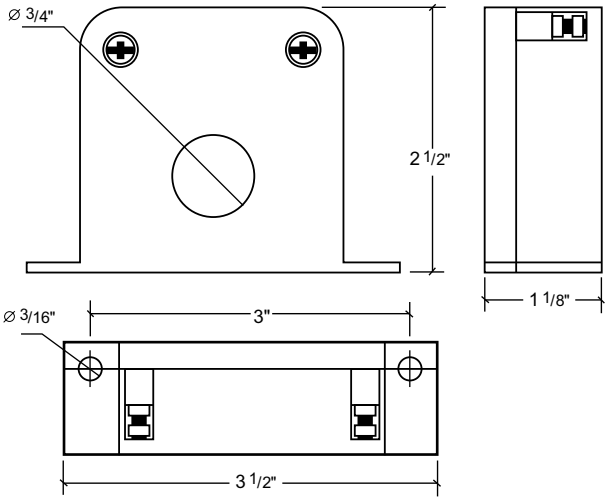
REVERSOMATIC
MANUFACTURING LIMITED

DAS-250

DRYER AMP SENSOR FAN CONTROL WITH SURGE PROTECTION AND TIME DELAYED "SHUT-DOWN"

The DAS-250 Dryer Fan Control is a solid-state N.O. high current AC switch that operates a dryer booster fan directly. This device senses when a clothes dryer is drawing 1.2 Amp (± 20% -25%) of current and then closes the output switch to activate the dryer vent booster fan. When the dryer cycle is complete and the current drops below the threshold, the output switch will remain closed for 5 minutes to allow heat to be removed from the vent before the switch is opened again. The DAS-250 requires no field adjustments and only two wire connections for easy installation. The device output will switch loads at 120 VAC and 3.5 Amp. maximum. The internal circuits of DAS-250 are totally powered by induction from the line being monitored and all units are CSA Certified to Cana dian and US Standards. The high current switch with surge voltage protection meet IEEE 62.41-1991 standards.



The sensor is designed to mount in a standard electrical box. The AMP Sensor may be placed in an electrical box adjacent to the junction box in which the wires supplying power to the dryer are located (see back of this page). The dryer supply neutral (white) wire passes through the center of the AMP Sensor donut. No physical connection is made.

SPECIFICATIONS

Action Current Range:	1.20-60 Amp.-turns
AC Conductor Hole:	19 mm (0.75") diameter
Trip Set-Point:	Pre-set at approximately 1.2A
Switch Rating:	120 VAC 3.5A max.
Output Type:	Triac with volts surge protected design
Output O ffDelay Time:	4.5 - 5 minutes
Operating Temperature:	-5 ~ +40° C (23 ~ 104° F)
Operating Humidity:	0 ~ 99%
Dimensions:	H63 x W89 x D28 mm (2.5"x 3.5" x 1.1")
Mounting Holes:	2 x 5 mm (2 x 0.19") holes spaced 76 mm (3") on base
Leakage Current:	< 1 mA
Manufacturing Process:	ISO 9001 Certified
Standards Met:	CSA No.14-2005 edition, UL 508, FCC, IEEE 62.41-1991

NOTE:

Installation by a licensed electri cian is recommended. Installa tion and use of this equipment should be in accordance with provisions of the national electrical code. Applicable local codes and pertinent industry standards should be verified before installation.

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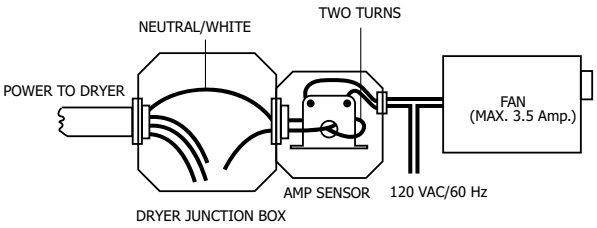
TURN POWER OFF AT CIRCUIT BREAKER OR FUSE PANEL BEFORE INSTALL

INSTALLATION INSTRUCTIONS

INSTALLATION TYPE 1
(at dryer junction box)

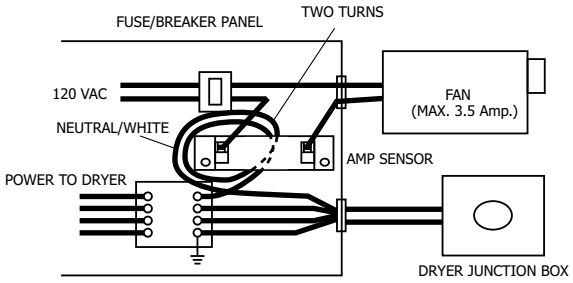
1. Attach electrical junction box to the dryer junction box.
2. Disconnect and loop neutral (white) dryer power supply wire through center of sensor as shown then back to the dryer junction box and re-connect.
3. Mount sensor in the electrical box (two holes may have to be drilled for mounting).
4. Connect fan 120 VAC power supply to the top (relay) terminals of the sensor.



NOTE:
If the dryer cooling motor is less than 0.6 Amp., you may have to increase numbers of turns to operate AMP Sensor switch. But make sure numbers of turns multiply by dryer max. input current (AMP) must be less than 60 Amp. (see action current range on page 1)

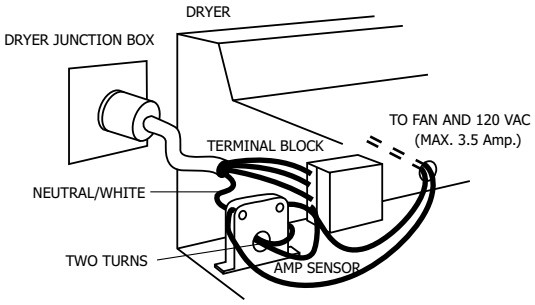
INSTALLATION TYPE 2
(at fuse/breaker panel)

1. Mount sensor at a convenient location on the fuse/breaker panel.
2. Disconnect and loop neutral (white) dryer power supply wire through center of sensor then re-connect.
3. Connect fan 120 VAC power supply to the top (relay) terminals of the sensor.



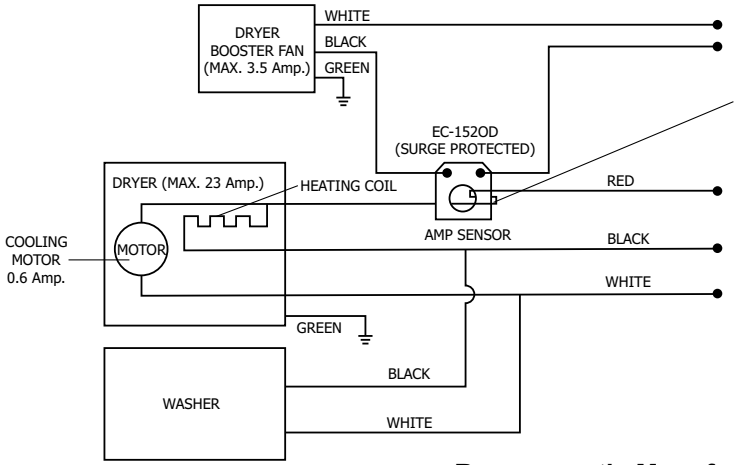
INSTALLATION TYPE 3
(inside dryer compartment)

1. Mount sensor in a convenient location inside the dryer connection compartment.
2. Disconnect and loop neutral (white) dryer power supply wire through center then re-connect.
3. Connect fan 120 VAC power supply to the top (relay) terminals of the sensor.



INSTALLATION TYPE 4
(for stacker dryer C/W common power supply)

Stacker Dryer that has separate power supply for dryer and washer, use instruction 1, 2 or 3.



POWER SUPPLY TO
THE BOOSTER FAN
120 VAC/60 Hz

TWO TURNS

If the stacker dryer max. input current is less than 20 Amp. and the dryer cooling motor is less than 0.6 Amp., you may have to increase numbers of turns to operate AMP Sensor switch. But make sure numbers of turns multiply by dryer max. input current (Amp.) must be less than 60 Amp. (see action current range on page 1)

POWER SUPPLY TO
THE STACKER DRYER
(C/W COMMON POWER SUPPLY
FOR DRYER & WASHER)
230 VAC/60 Hz

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