



America

CERTIFICATE

No. U8 17 05 84164 022

Holder of Certificate: **Schneider Electric**

7262 rue Marconi
Montreal QC H2R 2Z5
CANADA

Certification Mark:



Product:

**Temperature controller
Thermostat and relay control for
commercial HVAC**

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.:

7169001246-200



Date, 2017-05-04

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Model(s): SER series, SC series, SER83 series, SE83 series, SE8600U series, WISERAIR10 series, WISERAIR20 series, SER8150R0B1194, SER8150R5B1194, TM17DCLWT, TM172DCLWTH, TM1720CWTHP
Refer to attachment for model nomenclature

Parameters:

SER, SER83 series:
 Rated Input Voltage: 7; 12; 16; 24 Vdc; 24 V~
 (1 dc and/or 1 ac rating cab be on the nameplate)
 Rated Frequency: DC, 50/60 Hz
 Rated Input Power: 4 VA
 Protection Class: III

SC series:
 Rated Input Voltage: 90-240 V~ or 90-277 V~
 Rated Frequency: 50/60Hz
 Rated Input Power: ½ HP + 5 A
 Rated Output Voltage: 7 Vdc
 Rated Output Power: 5 W
 Fan contacts: ½ HP max total
 Cooling valve contact: 5 A max
 Heater dry contact: 10 A max
 Protection Class: II

SE83 series:
 Rated Input Voltage: 24 V~
 Rated Frequency: 50/60 Hz
 Rated Input Power: 4 VA
 Protection Class: III

SE8600U, WISERAIR10 series, WISERAIR20 series:
 Rated Input Voltage: 24 V~
 Rated Frequency: 50/60 Hz
 Rated Input Power: 100 VA
 Protection Class: III
 Refer to attachment for additional model parameters

Tested according to: CAN/CSA-C22.2 No. 24:1993-06
UL 873:2007-11

Production Facility(ies): 90172

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Date, 2017-05-04



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Company: Schneider Electric
7262 rue Marconi, Montreal, QC, H2R 2Z5, Canada

Model nomenclature:

SER series: SERxxxxbyyyd-zzzz, SERxxxxbbbyyyd-zzzz
SC series: SCxxxxfyyyg-zzzz
SER83 series: SER83hhAndpq
SE83 series: SE83hhUndww
SE8600U series: SE8600UnBww
WISERAIR10 series: WISERAIR10wwwiizzzzz
WISERAIR20 series: WISERAIR20wwwiizzzzz

Where:

xxxx represents the model numbers (functionality specific), can be any number not affecting safety
zzzz or zzzzz represents the customer specific & software options (optional), can be any alphanumeric value not affecting safety
b or bbb represents the data terminal application type, can be any alphanumeric value not affecting safety
d represents the communications option, can be any alphanumeric value not affecting safety
g represents the communications protocol (optional), can be any alphanumeric value not affecting safety
hh represents the option for relative humidity sensor, control and software, can be any number from 00 to 99 not affecting safety.
ii represents a customer code, can be any two characters not affecting safety.
n represents the option for a passive infrared sensor (PIR), can be any number from 0 to 9 not affecting safety.
p represents the options for the mains case or top enclosure, can be any number from 0 to 9 not affecting safety.
q represents the options for the front cover, can be any number from 0 to 9 not affecting safety.
ww or www represents the colour option, can be 00 for silver, or 11 or WHT for white, or BLK for black.

Additional Model Parameters

SER8150R0B1194, SER8150R5B1194:

Rated Input Voltage: 16 Vdc

Rated Input Power: 4 VA

Protection Class: III

TM172DCLWT, TM172DCLWTH, TM172DCLWTHP:

Rated Input Voltage: 24 Vdc or 24 V~

Rated Input Frequency: DC, 50/60 Hz

Rated Input Power: 4 VA

Protection Class: III

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Conditions of Acceptability:

1. EMC/EMI compliance has not been investigated by TÜV SÜD Canada Inc. in this report.
2. Equipment has been evaluated for continuous operation in a maximum ambient temperature of 50°C
3. The equipment has been evaluated for use in a pollution degree 2 environment, in dry locations.
4. Equipment is to be installed by qualified personal in accordance with provided installation instructions and local/national installation/wiring requirements.
5. SER, SER83, SE83, SE8600U, WISERAIR10 and WISERAIR20 series, SER8150R0B1194, SER8150R5B1194, TM172DCLWT, TM172DCLWTH, TM172DCLWTHP, equipment to be provided with an approved Class 2 supply or supplied from a SC series unit. All circuits attached to SER, SER83, SE83, SE8600U, WISERAIR10 and WISERAIR20 series, SER8150R0B1194, SER8150R5B1194, TM172DCLWT, TM172DCLWTH, TM172DCLWTHP, shall be class 2.
6. SC series equipment were evaluated based on branch-circuit protection up to 20 A, if used in a circuit protected at greater current levels, additional evaluation may be required.
7. Instructions, warnings and equipment markings related to safety shall be in the languages acceptable in the country in which the equipment is to be installed.
8. Suitable over-current protection shall be provided on dry contact connections (if provided) at 16 A or less.
9. If a VC, SC, or R-series unit is used as a pilot-duty device, the inrush current of attached coils shall be less than 16.9 A.
10. Equipment not evaluated for direct control of electric space-heating equipment that is to be permanently connected electrically.
11. Equipment not evaluated for direct control of DC motors.
12. The field-provided conductors for SC series equipment supply connection shall be between 18 AWG and 12 AWG inclusive.
13. A cable external to the equipment and supplied by the manufacturer for connection in a low-voltage Class 2 circuit shall be rated for the intended application as specified in Article 725 of the National Electrical Code, ANSI/NFPA 70, as applicable.
14. All wire connections between parts of equipment shall be adequately protected or enclosed, an acceptable supply terminal/connection box or provision for connection of armoured cable or conduit shall be provided in the end-installation as per CSA C22.2 No. 0, as applicable.
15. Equipment markings shall be visible after installation of equipment, or shall be readily visible by opening a door or removing a cover that will not disturb the installation wiring.

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