

ECOER SERVICE BULLETIN

Field Service Bulletin

SUBJECT: AHRI Rating Update

Newly added design combination:

TDi Pro Series outdoor unit + SDi AHU

ESi Decades Extreme outdoor unit + SDi AHU

AHRI Ref. #	Outdoor Unit Series Name	Outdoor Unit ModelNumber	Indoor Unit Model Number
215447638	TDi Pro	EODA19H-2436AA*	EAHAEC-24
215722679	ESi Decades Extreme	EODA18H-2436BAA	EAHAEC-24
216019258	TDi Pro	EODA19H-4860AA*	EAHAEC-36
215447639	TDi Pro	EODA19H-2436AA*	EAHAEC-36
215722680	ESi Decades Extreme	EODA18H-2436BAA	EAHAEC-36
216019257	TDi Pro	EODA19H-4860AA*	EAHAEC-60

What is the issue?

Ecoer has complete the update of AHRI ratings for above design combinations. The updated AHRI ratings are eligible for the IRA Tax Credit and meet the 2025 Energy Star Cold climate requirements. Please refer to the following data or visit <https://ahridirectory.org/> for more information.

Please note that when installing the above product combinations, an additional relay must be added to the SDi air handler for OB signal conversion. Please refer to the relay selection in Figure 2 and the wiring diagram in Figure 3.

If you have any questions about field wiring and setting during installation, please contact Ecoer Technical Support Manager at email: joshua.mcaffry@ecoer.com, phone: 1 (240) 678-8304.

 Directory of Certified Product Performance

AHRI Ref. #	Outdoor Unit Series Name	Outdoor Unit ModelNumber	Indoor Unit Model Number	Cooling Capacity (95F), btuh	EER2	SEER2	Heating Capacity (47F), btuh	HSPF2	COP (5F)	Heating Capacity (5F), btuh	Ratio at 5F/47°F
215447638	TDi Pro	EODA19H-2436AA*	EAHAEC-24	23000	12.2	19.2	23000	9.2	1.95	19000	82.61%
215722679	ESi Decades Extreme	EODA18H-2436BAA	EAHAEC-24	23000	11.7	18.5	23000	8.8	1.9	19000	82.61%
216019258	TDi Pro	EODA19H-4860AA*	EAHAEC-36	34600	12	18.2	35000	9.5	1.9	29200	83.43%
215447639	TDi Pro	EODA19H-2436AA*	EAHAEC-36	33600	11.7	18.2	35000	9.5	2	24600	70.29%
215722680	ESi Decades Extreme	EODA18H-2436BAA	EAHAEC-36	33600	10.8	17.2	35000	9	1.95	24600	70.29%
216019257	TDi Pro	EODA19H-4860AA*	EAHAEC-60	53000	11	17	55000	9.2	1.9	38500	70.00%



Figure 1

Mars HVAC Relays (90370)

Installation Instructions

25 Amp Switching Relays

CAUTION: Disconnect power before servicing equipment

model identification

COIL VOLTAGE	MARS-2 SPST-NO.	MARS-2 NO.SPDT	MARS-2 SPNO-SPNC
24	90360	90370	90380
110/120	90362	90372	90382
208/240	90364	90374	90384

contact rating - all models

VOLTAGE	FULL LOAD	LOCKED ROTOR	RESISTIVE
120	12	60	18
240	8	48	18
277	7	42	18

terminal identification

SPST-NO SPDT SPNO-SPNC

cross reference:

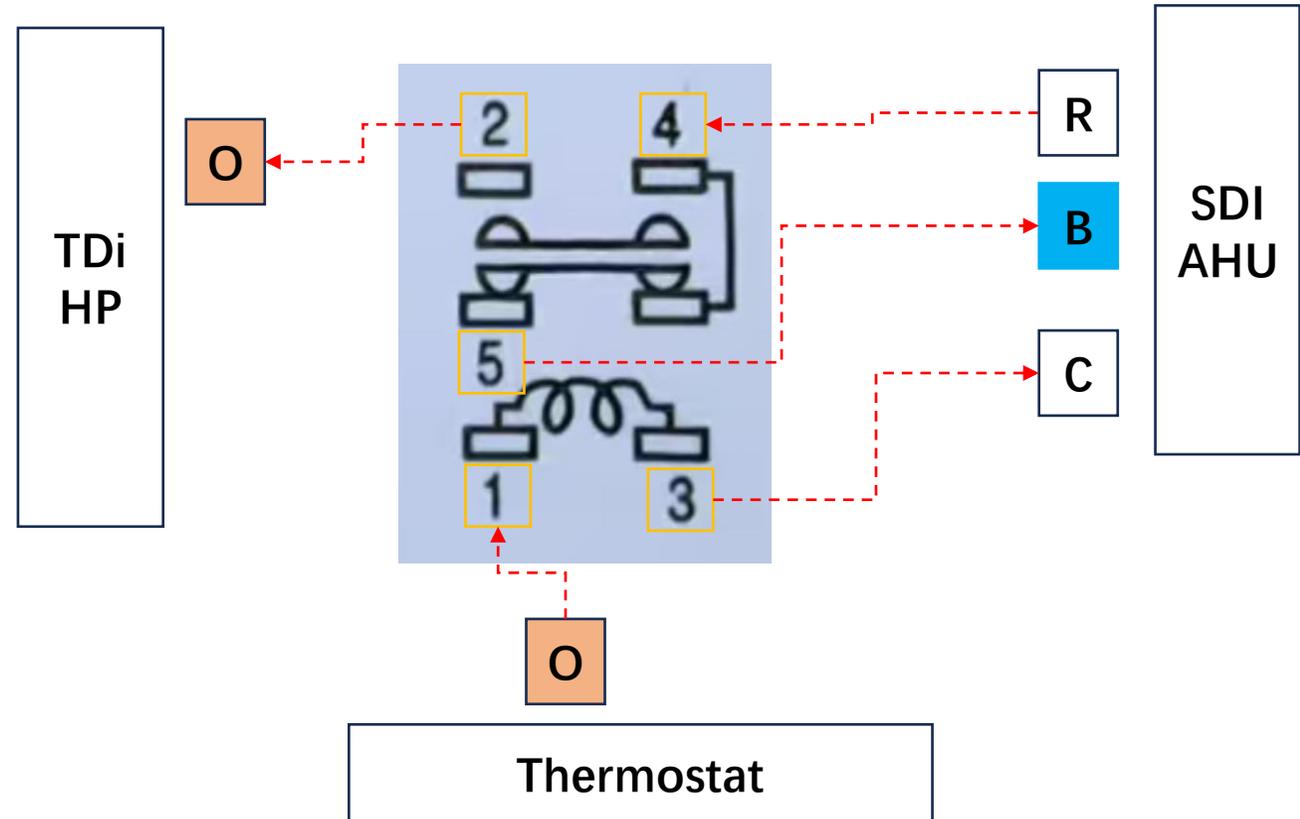
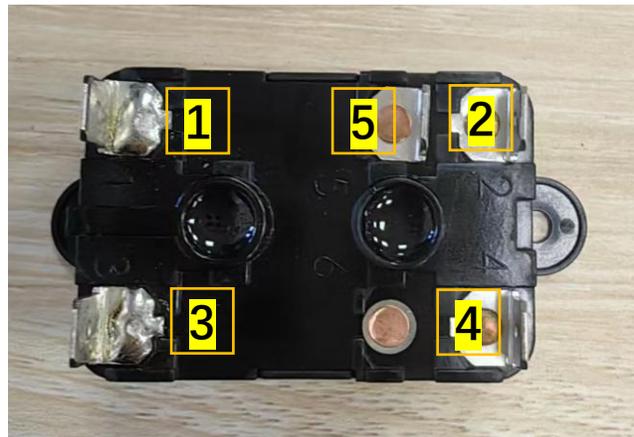
ESSEX/RBM	MARS NO.	ESSEX/RBM	MARS NO.
90-360Q	90360	90-374Q	90374
90-362Q	90362	90-380Q	90380
90-364Q	90364	90-382Q	90382
90-370Q	90370	90-384Q	90384
90-372Q	90372		

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Figure 2

The wiring schematic for using SDI AHU with Our ESi and TDi products



O/B conversion wiring diagram, the rest refer to conventional wiring.