

ROUND DUCT HEATER

SDHR SERIES

TAKE CONTROL OF YOUR COMFORT

Whether it is for preheating ventilation air or for heating a room, the SDHR is powerful enough to raise the temperature to the desired level. Its modulation system and temperature sensor will give you accurate and efficient performance. Available in several sizes and capacities, there is certainly a model for you.



4 LEVELS OF SECURITY

MANUAL PROTECTION, AUTOMATIC PROTECTION, TERMINAL BLOCK, EXTERNAL ELECTRONIC AIR VELOCITY SENSOR (OPTIONAL)

5 TYPES OF CONTROL

0-10 V, 2-10 V, PWM, 24 VDC OR 24 VAC CONTROL

TEMPERATURE CONTROL POTENTIOMETER

MODULATION OF THE ELEMENTS

SCR TECHNOLOGY

FINISH

22 and 20 gauge galvanized steel cabinet resistant to corrosion

MANUFACTURING

- removable control panel easily accessible
- junction box door
- double thermal protections (manual and automatic) for each element
- plenum temperature sensor (60 in. - 5 ft)
- external electronic air velocity sensor (optional)

WATTAGE & VOLTAGE

see the technical specifications table (other models available upon request)

ELEMENTS

- open, nichrome elements
- modulation of the elements by the SCR technology to maintain a constant temperature using only the required energy

CONTROL

thermostat 24 Vac; thermostat or controller (0-10 Vdc); thermostat or controller (PWM); thermostat or controller (2-10 V); thermostat or controller (24 Vdc)

INSTALLATION

- 5 in. to 12 in. round duct
- vertical, horizontal, upflow or downflow position
- “zero inch” clearance from flammable materials

ACCESSORIES

PRODUCT	DESCRIPTION
ET120	0-10 V electronic thermostat
ET180	24 V electronic thermostat
D010	24 V thermostat
D070	deported plenum thermostat*
KIT-SEN-005	SDH external electronic air velocity sensor

* Used with CIR-048 only



DEPORTED PLENUM THERMOSTAT (OPTIONAL)
SEE PAGE 38

TECHNICAL SPECIFICATIONS

PRODUCT	POWER	VOLTAGE	PHASE	HEIGHT	DEPTH	DUCT DIAMETER	SHIPPING WEIGHT		MINIMUM FLOW*
CODE	WATTS	VOLTS	NO.	IN.	IN.	IN.	KG	LB	CFM/KW
SDHR05005001	500	120	1	8	12 11/16	5	6.8	15	50
SDHR05005002	500	240	1	8	12 11/16	5	6.8	15	50
SDHR05005003	500	347	1	8	12 11/16	5	6.8	15	50
SDHR05010001	1000	120	1	8	12 11/16	5	6.8	15	50
SDHR05010002	1000	240	1	8	12 11/16	5	6.8	15	50
SDHR05010003	1000	347	1	8	12 11/16	5	6.8	15	50
SDHR05015001	1500	120	1	8	12 11/16	5	6.8	15	50
SDHR05015002	1500	240	1	8	12 11/16	5	6.8	15	50
SDHR05015003	1500	347	1	8	12 11/16	5	6.8	15	50
SDHR05020001	2000	120	1	8	12 11/16	5	6.8	15	50
SDHR05020002	2000	240	1	8	12 11/16	5	6.8	15	50
SDHR05020003	2000	347	1	8	12 11/16	5	6.8	15	50
SDHR05030002	3000	240	1	8	12 11/16	5	6.8	15	50
SDHR05030003	3000	347	1	8	12 11/16	5	6.8	15	50
SDHR06005001	500	120	1	8	12 11/16	6	7.3	16	50
SDHR06005002	500	240	1	8	12 11/16	6	7.3	16	50
SDHR06005003	500	347	1	8	12 11/16	6	7.3	16	50
SDHR06010001	1000	120	1	8	12 11/16	6	7.3	16	50
SDHR06010002	1000	240	1	8	12 11/16	6	7.3	16	50
SDHR06010003	1000	347	1	8	12 11/16	6	7.3	16	50
SDHR06015001	1500	120	1	8	12 11/16	6	7.3	16	50
SDHR06015002	1500	240	1	8	12 11/16	6	7.3	16	50
SDHR06015003	1500	347	1	8	12 11/16	6	7.3	16	50
SDHR06020001	2000	120	1	8	12 11/16	6	7.3	16	50
SDHR06020002	2000	240	1	8	12 11/16	6	7.3	16	50
SDHR06020003	2000	347	1	8	12 11/16	6	7.3	16	50
SDHR06030002	3000	240	1	8	12 11/16	6	7.3	16	50
SDHR06030003	3000	347	1	8	12 11/16	6	7.3	16	50
SDHR06040002	4000	240	1	8	12 11/16	6	7.3	16	50
SDHR06040003	4000	347	1	8	12 11/16	6	7.3	16	50
SDHR06050002	5000	240	1	8	12 11/16	6	7.3	16	50
SDHR06050003	5000	347	1	8	12 11/16	6	7.3	16	50
SDHR08005002	500	240	1	9 1/4	15	8	7.5	17	50
SDHR08005003	500	347	1	9 1/4	15	8	7.5	17	50
SDHR08010002	1000	240	1	9 1/4	15	8	7.5	17	50
SDHR08010003	1000	347	1	9 1/4	15	8	7.5	17	50
SDHR08015002	1500	240	1	9 1/4	15	8	7.5	17	50
SDHR08015003	1500	347	1	9 1/4	15	8	7.5	17	50
SDHR08020002	2000	240	1	9 1/4	15	8	7.5	17	50
SDHR08020003	2000	347	1	9 1/4	15	8	7.5	17	50
SDHR08030002	3000	240	1	9 1/4	15	8	7.5	17	50
SDHR08030003	3000	347	1	9 1/4	15	8	7.5	17	50
SDHR08040002	4000	240	1	9 1/4	15	8	7.5	17	50
SDHR08040003	4000	347	1	9 1/4	15	8	7.5	17	50
SDHR08050002	5000	240	1	9 1/4	15	8	7.5	17	50
SDHR08050003	5000	347	1	9 1/4	15	8	7.5	17	50
SDHR08060002	6000	240	1	9 1/4	15	8	7.5	17	50
SDHR08060003	6000	347	1	9 1/4	15	8	7.5	17	50
SDHR10005002	500	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10005003	500	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10010002	1000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10010003	1000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10015002	1500	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10015003	1500	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10020002	2000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10020003	2000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10030002	3000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10030003	3000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10040002	4000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10040003	4000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10050002	5000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10050003	5000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10060002	6000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10060003	6000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10080002	8000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10080003	8000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10100002	10000	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10100003	10000	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10115002	11 500	240	1	11 1/4	17 1/4	10	9.1	20	50
SDHR10115003	11 500	347	1	11 1/4	17 1/4	10	9.1	20	50
SDHR12005002	500	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12005003	500	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12010002	1000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12010003	1000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12015002	1500	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12015003	1500	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12020002	2000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12020003	2000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12030002	3000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12030003	3000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12040002	4000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12040003	4000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12050002	5000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12050003	5000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12060002	6000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12060003	6000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12080002	8000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12080003	8000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12100002	10000	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12100003	10000	347	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12115002	11 500	240	1	13 1/4	19 1/4	12	10.4	23	50
SDHR12115003	11 500	347	1	13 1/4	19 1/4	12	10.4	23	50

Add DS for disconnect switch models

*Only if you are using a 0-10 V or PWM control