



Service Information

File In/With: –	SI0518	
Supersedes SI0518 (722)	Rev	922
Equipment Affected:	Chillers	
Waterside Temperature Sensor Kits		

GENERAL

New Waterside Temperature Sensor Kits have been created. The kits will have all the water side temperature sensors and heat compound needed to replace all of them at the same time. Water-Cooled Temperature Sensor Kits will have a QTY of 4 sensors, Air-Cooled Temperature Sensor Kits will have a QTY of 2 sensors

Individual Temperature Sensors are still available for individual purchase. Refer to *TABLE 3* or *4* for the replacement Temperature Sensor and Heat Conductive Compound (013-00898-000) part numbers for ordering individually.

The new sensors will require approx. 0.5oz of the heat compound to be used as they have a slightly smaller diameter than the old sensors, pack and fill thermowell as needed.

Use the following tables to order the applicable kit.

Table 1 - Water-Cooled - Kit, Water Temp Sensors

Product	Kit Part Number
YK	325-29964-604
YZ	325-29964-604
YMC ² Mod A	325-29964-604
YMC ² Mod B	325-29964-604
YD	325-29964-604
YCWL	325-52740-604
YCRL	325-52740-602
YVWA*	325-52740-604
YT	325-29964-604
YR	325-29964-604
YS	325-29964-602
YKEP	325-40010-604
YST	325-40010-604

Table 2 - Air-Cooled - Kit, Water Temp Sensors

Product	Kit Part Number
YVAA*	325-52740-602
YLAA Style A and B	325-52740-602
YCAV	325-52740-602
YCIV	325-52740-602
YCAL	325-40273-600
YCAL Remote	325-52740-602
QTC2	325-40273-600
QTC3	325-52740-602
QTC4	325-52740-602
YVFA Open Loop*	325-52740-603
YVFA Close Loop*	325-52740-606

*YVFA / YVAA original sensor is 025-52739-000, the kit uses 025-52740-000 to standardize the kits.

*YVWA original sensor is 025-52739-000, the kit uses 025-52740-000 to standardize the kits.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service information letter are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

Table 3 - Water-Cooled Chiller Temp Sensors Purchased Individually

Product	Description	YORK PN
YK	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YZ	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YMC ²	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YD	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YCWL	Sensor Temp NTC -50 to 105°C	025-52740-000
YCRL	Sensor Temp NTC -50 to 105°C	025-52740-000
YVWA	Sensor Temp NTC -50 to 105°C	025-52740-000
YT	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YR	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
YS	Temp Sensor NTC3855 3K±1% 274 AMP	025-29964-002
	Sensor, Temp (Entering/Leaving Cond)	325-47673-000
YKEP	Sensor, Temp 100 Ohms	025-40010-000
YST	Sensor, Temp 100 Ohms	025-40010-000

Table 4 - Air-Cooled Chiller Temp Sensors Purchased Individually

Product	Description	YORK PN
YVAA	Sensor Temp NTC -50 to 105°C	025-52740-000
YLAA	Sensor Temp NTC -50 to 105°C	025-52740-000
YCAV	Sensor Temp NTC -50 to 105°C	025-52740-000
YCIV	Sensor Temp NTC -50 to 105°C	025-52740-000
YCAL	Sensor (EWT) Temp	025-40273-002
	Sensor (LWT) Temp 3000 OHMS	025-40273-007
YCAL_Remote	Sensor Temp NTC -50 to 105°C	025-52740-000
QTC2	Sensor (EWT) Temp	025-40273-002
	Sensor (LWT) Temp 3000 OHMS	025-40273-007
QTC3	Sensor Temp NTC -50 to 105°C	025-52740-000
QTC4	Sensor Temp NTC -50 to 105°C	025-52740-000
YVFA	Sensor Temp NTC -50 to 105°C	025-52740-000
YVFA	Sensor Temp NTC -50 to 105°C	025-52740-000