

RAYCHEM
TraceTek

TT-RISER-KIT-DAB-9

Splice Kit Installation Instructions



KIT CONTENTS

Qty	Description
1	Plastic Pail
3	PVC end caps (1 red, 2 black)
1	Wire Mesh Cage
2	Fastening straps

GENERAL INSTRUCTIONS

Please read these instructions and keep them for reference. These instructions provide guidance to support the installation of nVent RAYCHEM TraceTek leak detection cable inside a Dabico D9 Pit, using the parts included in this kit. Refer to the picture (at left) to identify the parts included in this kit.

ADDITIONAL MATERIALS REQUIRED

- nVent RAYCHEM TraceTek TT-MBC-MC-TW (part# P000001206) is a branch connector used in rugged outdoor applications. It will be required if a branching circuit is utilized in the leak detection system.

IMPORTANT NOTES

These instructions are not meant to provide guidance related to field installation of TraceTek leak detection cable. Please refer to the actual installation instructions for the specific TraceTek cable utilized in your system.

For more information, call nVent at (800) 545-6258.

STORAGE

Keep all parts in a dry place between uses. Avoid impacts that might damage individual parts.

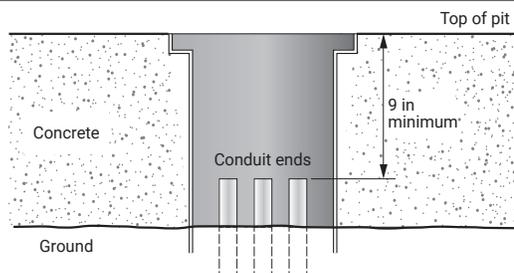
VERIFY CONDUIT END POSITIONING WITHIN DABICO PIT

The wire cage has been designed to fit over conduit ends that are $9\frac{1}{2} \pm \frac{1}{2}$ inch below the top of pit. If the conduit ends are too long (less than 9 inches below top of pit), trim the conduit ends to 9 inches or more from top of pit.

Two conduits are used for straight through connection.

Three conduits are used when a branched circuit is included.

Note: The illustration shows three conduit ends.



PVC ENDCAP INSTALLATION ONTO CONDUIT PIPE END

The PVC end caps come in two colors to provide easy indication of which conduit end is positioned towards the TraceTek Alarm panel. The RED end cap should be used on the conduit end closest to the Alarm panel. The BLACK end cap should be used on the conduit end extending away from the Alarm panel. An extra black cap is included if using a branched leak detection circuit.

The PVC end caps should be placed on the ends of the conduits to keep the interior free of debris. Note the outline of a small hole in the end caps. (The small hole can be punched out using finger pressure). However, do not punch out the hole until cable is installed. Keep all conduit ends capped before and after sensor cable installation.



ROUTING TRACETEK CABLE THROUGH CONDUIT PIPE END DURING CABLE INSTALLATION

When installing TraceTek cable into the Dabico pit, the PVC end cap hole can be punched out using finger pressure.



Push the TraceTek cable through the hole. You may need to bend the end cap to open the hole enough for the cable end to pass through.



AFTER TRACETEK CABLE CONNECTORIZATION COMPLETED, PLACE WIRE CAGE OVER CONDUIT ENDS

Carefully complete any TraceTek cable connectorization (if required). Route the cable through the openings in the wire cage, so that the wire cage can rest on the ground, and be positioned above the conduit end caps- without putting any lateral pressure on the cable. Center the wire cage so that it is not against the

sidewall of the Dabico pit in order to provide clearance for the plastic pail to rest against the ground. If necessary, the wire cage can be bent/shaped to fit the needs of the conduit orientation within the Dabico pit.



MAKING CABLE CONNECTIONS AND SECURING THE FASTENING STRAPS

Take up any loose slack in the connector wires and TraceTek cables by forming loops approximately 4 to 5 inches in diameter. Avoid tightly bent cable and kinks/pinch points that produce pressure that can lead to false alarms. Loop orientation should be vertical.

TraceTek cable should not be secured with tie wraps, since the pressure could lead to false alarms. Fastening straps have been provided to maintain loop shape above the wire cage. Maintain vertical loop positioning while putting on the fastening straps.

Note: For clarity, pictures of cable connections do not include the heat shrink tubing that is used in the TraceTek cable connectorization and installation process.



IF BRANCHING CIRCUITS ARE USED:

After making TraceTek cable connections, create loops approximately 4 to 5 inches in diameter. Avoid tightly bent cable and kinks/pinch points that produce pressure that can lead to false alarms. Loop orientation should be vertical.



Secure the cable loops with the fastening straps, and place on the wire cage. Gently position within the center portion of the wire cage maintaining vertical loop orientation and minimizing cable extension outside the wire cage.



Note: For clarity, pictures of cable connections do not include the heat shrink tubing that is used in the TraceTek cable connectorization and installation process.

GETTING THE PAIL TO FIT PROPERLY:

The key to getting the pail to fit is to first tilt the lip of the pail (about 30 degree angle) to fit it under one of the protruding metal posts on the Dabico pit sidewall. Pressing firmly on the pail side above the pail lip will allow the pail to be pushed down past the metal post. Gently push the pail down to the ground



while avoiding the wire cage. If you sense any resistance from the cable and connectors, remove the pail- check that the wire cage and cables are positioned in the center of the pit. When properly positioned, the top of pail should be located below the level of the metal posts on the Dabico pit.



INSTALLING THE DABICO PIT COVER

There should be no interference from the pail when the cover is installed. If you sense interference when installing the cover, do not force the cover on. Instead remove the cover and inspect the pail position within the center of the pit, and relative to the metal posts. If necessary, remove the pail to inspect the positioning of the wire cage and cable loop wiring, making sure nothing is interfering with the pail lip resting evenly on the ground surface.

REMOVING THE PAIL

If you need to remove the pail, you will need to raise one lip of the pail to a metal post, then push the pail wall firmly away from the post-while sliding the pail up and past the metal post. Once the pail lip has passed the metal post, the pail can be tilted at about a 30 degree angle to bring it out of the Dabico pit.



North America

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa

Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com



nVent.com