KRD-3 – Key Retainer Device (Two Function Model*)

## INSTALLATION AND OPERATING INSTRUCTIONS

INSTALLATION – Considerations and Procedure

MOUNTING   Securely attach this device by using the TEMPLATE below and three #10 screws (supplied) or select an optional method. Five ¼-20 tapped holes are provided in the back for attachment. The creative usage of readily available ¼-20 hardware will provide a super-secure alternate method of mounting to panels and through thick walls or other objects where access to the back of the mounting surface is available.

CORE INSTALLATION   Looking into the figure 8 holes you will see 2 "gold" discs (left and center positions) where the throw pins attach and one "red" disc (right position). The 2 gold will simultaneously rotate and will always be 90º different than the single red. Select A or B below:

* FUNCTION "A"   DUAL CUSTODY – 2 KEYS NEEDED TO RELEASE 1 RETAINED KEY
Rotate the throw pins on the red disc throw member until they are in the almost 10 o'clock and 4 o'clock position. Using the control key for the retained key core, install the core. Remove the control key and insert the key that is to be retained. Rotate this key slightly beyond ¼ turn (90º) to its retained position area. The throw pins on the other two gold disc throw members, known as the release key cores, will now be in the almost 10 o'clock and 4 o'clock position. Use the proper control key(s) and install these cores. Remove the control key(s) and the installation is complete. *(Always use spacers with 5 and 6-pin cores)*

* FUNCTION "B" – 1 KEY RELEASES 2 RETAINED KEYS   (see **Warning!** *on reverse side*)
Rotate the throw pins on the two throw members with the gold discs to the almost 10 o'clock and 4 o'clock position. Using the control key(s) for the retained key cores, install these cores. Remove the control key(s) and insert the 2 keys that are to be retained. Rotate these keys almost ¼ turn (90º) to their retained position area. The throw pins on the single, red disc throw member, known as the release key core, will now be in the almost 10 o'clock and 4 o'clock position. Use the proper control key and install this core. Remove this control key and the installation is complete. *(Always use spacers with 5 and 6-pin cores)*

3 Small Holes: #10 Size   5 Large Holes: ¼" Size
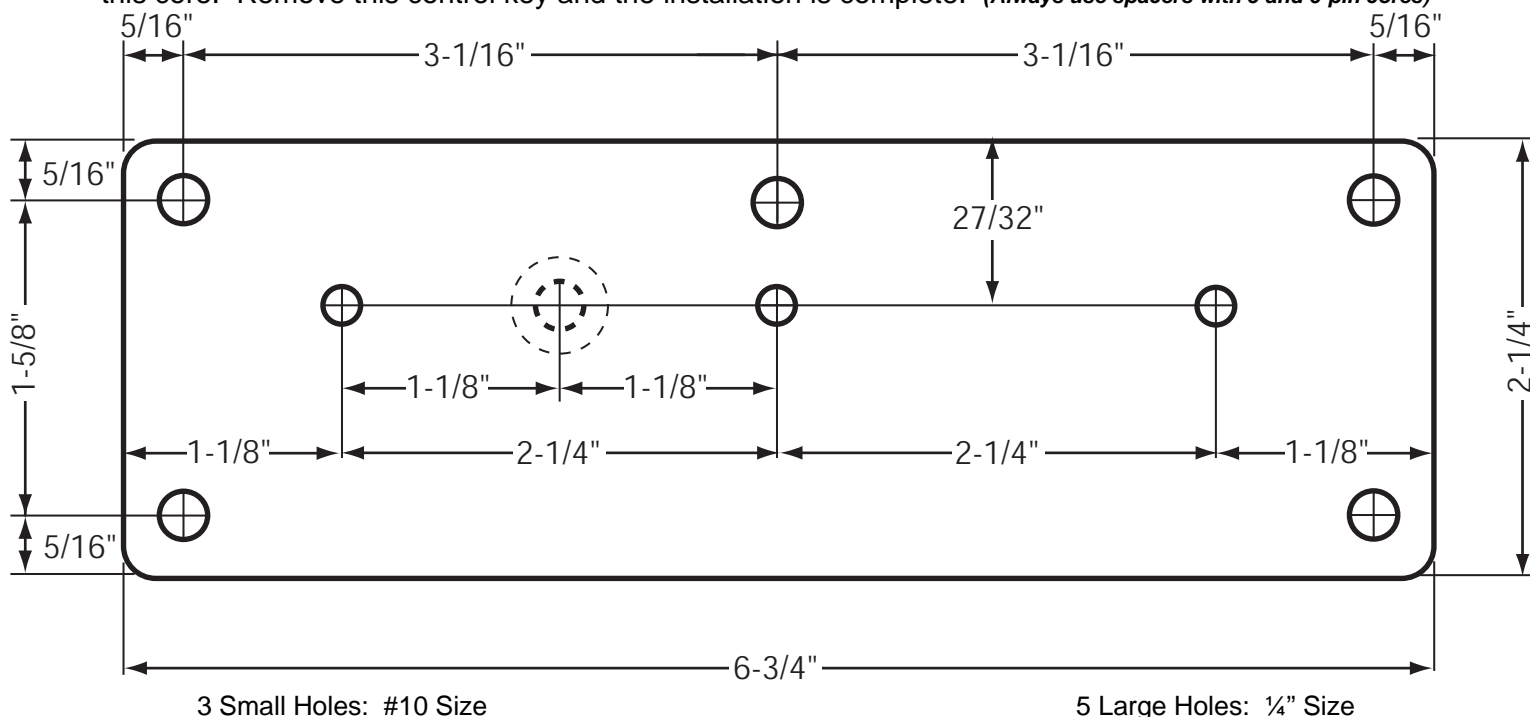
Note: The optional wiring hole and slight counter-bore (indicated by dashed circles) for the jacketed cable are only required when you have a KRD with the "**-S**" Switch Option.

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<u>OPERATION</u>

A very simple "put and take" system. Your KRD-3 will now operate according to the function you selected during the installation procedure:

<u>Function "A"   Dual Custody</u> - 2 keys must be present to release 1 retained key
One key is retained in a core (at ¼ turn) until two "release" keys are simultaneously inserted in the other cores and rotated 90° (¼ turn). Then the "retained" key can be removed for use while the "release" keys are held (trapped) for visual accountability purposes. This cycle is repeated in reverse when the normally "retained" key is returned and the "release" keys are removed (retrieved) by the authorized users.

<u>Function "B"</u> – 1 key releases 2 retained keys
Two keys are retained in cores (at ¼ turn) until a "release" key is inserted into the remaining core and rotated 90° (¼ turn). The "release" key is now held (trapped) for visual accountability purposes while BOTH "retained" keys MUST be removed** at this time.

> ***Warning!*** *They are now <u>both</u> released (untrapped / unprotected) and capable of being taken by anyone if the authorized user(s) doesn't take <u>both</u> keys*

This cycle is repeated in reverse when both of the normally "retained" keys are returned together and the "release" key is removed (retrieved) by the authorized user.

> ** If possible, to guarantee that they are <u>both removed together</u> you may consider <u>linking</u> these two keys together with a chain or extra rings which will also allow for their rotation in the cores as required

Because of the various combinations possible with this version of the KRD you may find it very desirable to label the core positions to reduce the possibility of any confusion and to make using it more efficient.