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ITI Technical Guide 006

Compatibility Guide for:

- ITI® Quik Bridge™ Loop Receiver (60-660)
- DSC Power 832 Control Panel (PC 5010)

This document explains how to connect an ITI Quik Bridge Loop Receiver to a DSC Power 832 control panel. It summarizes the following procedures:

- *Powering the Loop Receiver.* How to wire the receiver to the panel's auxiliary power supply.
- *Connecting the Zone Outputs Used by Sensors.* How to wire the receiver to the panel to allow the use of wireless sensors.
- *Connecting the Zone Outputs Used for Keyswitch Arming.* How to wire the receiver to the panel to allow arming and disarming of the system using a Keychain Touchpad.

For complete instructions on programming the Loop Receiver or the Power 832, see their installation instructions.

Powering the Loop Receiver

1. Shut off or remove power from the receiver and the panel.
2. Power the receiver by connecting it to the panel's auxiliary power supply as shown in Figure 1.

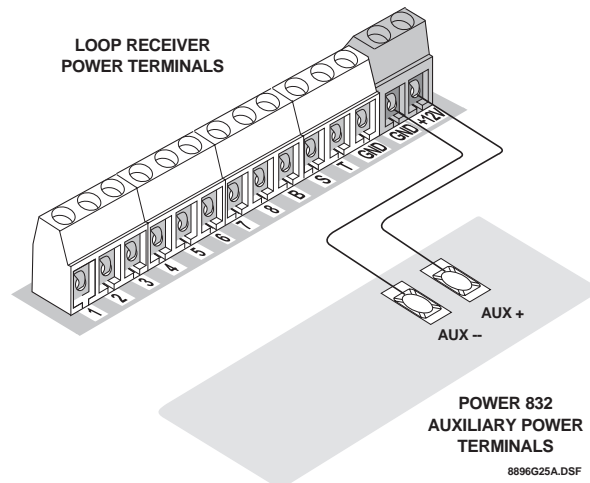


Figure 1. Powering the Loop Receiver.

Connecting the Zone Outputs Used by Sensors

Connect the receiver's sensor zone outputs and trouble outputs (terminals B and S), if desired, to the panel's inputs. For N/C (Normally Closed) configurations, see Figure 2. For N/O (Normally Open) configurations, see Figure 3. Table 1 shows the configurations (N/C or N/O) you may use for each zone on the Power 832.

Table 1. On the Power 832, all eight zones can be wired either N/C or N/O.

These Loop Receiver outputs..	Work with these Power 832 zone inputs..	In these configurations...	
		N/C	N/O
1 through 8, B, S	1	✓	✓
	2	✓	✓
	3	✓	✓
	4	✓	✓
	5	✓	✓
	6	✓	✓
	7	✓	✓
	8	✓	✓

Wiring a Loop Receiver Zone Using a N/C Configuration

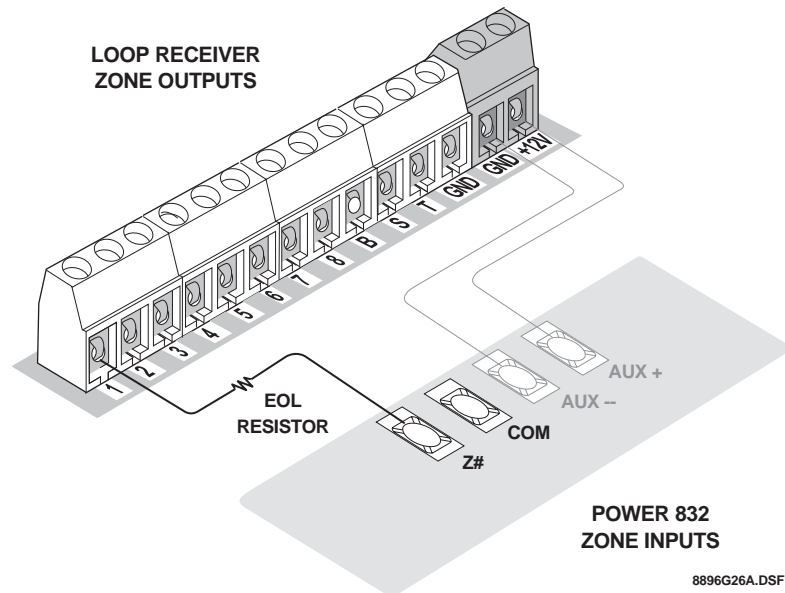


Figure 2. To wire a Loop Receiver zone N/C, program the zone N/C, then wire the zone as shown in the diagram above.

Wiring a Loop Receiver Zone Using a N/O Configuration

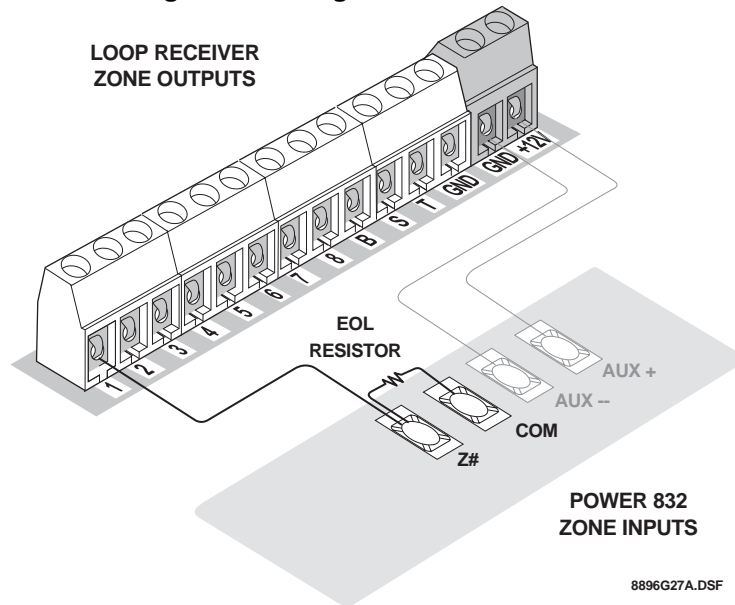


Figure 3. To wire a Loop Receiver zone to be N/O, program the zone to be N/O, then wire the zone as shown in the diagram above.

Connecting the Zone Outputs Used for Keyswitch Arming

This section explains how to set up an ITI Keychain Touchpad to allow keyswitch arming of a Power 832 system. A Keychain Touchpad configured this way will arm the system using the Arm button and disarm the system using the Disarm button. See Table 2 for a summary of compatibility between Loop Receiver outputs and Power 832 inputs.

Table 2. Zone 2 of the Loop Receiver will work with any Power 832 zone input programmed for maintained switching and wired to be N/O.

This Loop Receiver button output.	Works with these Power 832 keyswitch arming inputs..	In this configuration.	
		N/C	N/O
2	1 through 8*		✓

* The Power 832 zone must be programmed for maintained switching.

To connect the Loop Receiver for keyswitch arming:

1. Learn the Arm button on the desired Keychain Touchpad into zone 2 of the receiver.
2. Connect the button's zone output (terminal 2) to any one of the panel's zones that you have programmed for maintained keyswitching as shown in Figure 4.

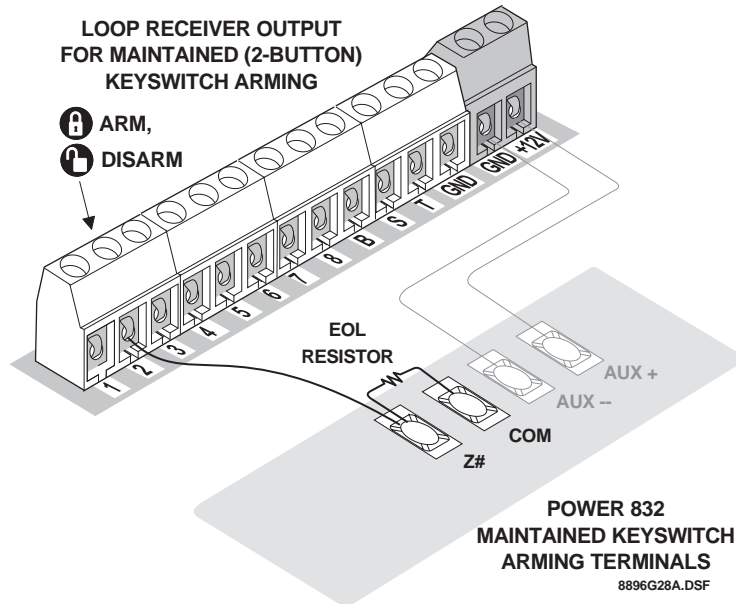


Figure 4. Learn the Arm button into the receiver, program zone 2 N/O, then wire the receiver to the panel as shown.

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All features of the ITI Quik Bridge Loop Receiver and the DSC Power 832 are subject to change without notice.