The **MK71-Z** series inductive coupler is designed for conversion and/or isolation of different signals.

The **MK71-Z01** has two input circuits for different control voltages:

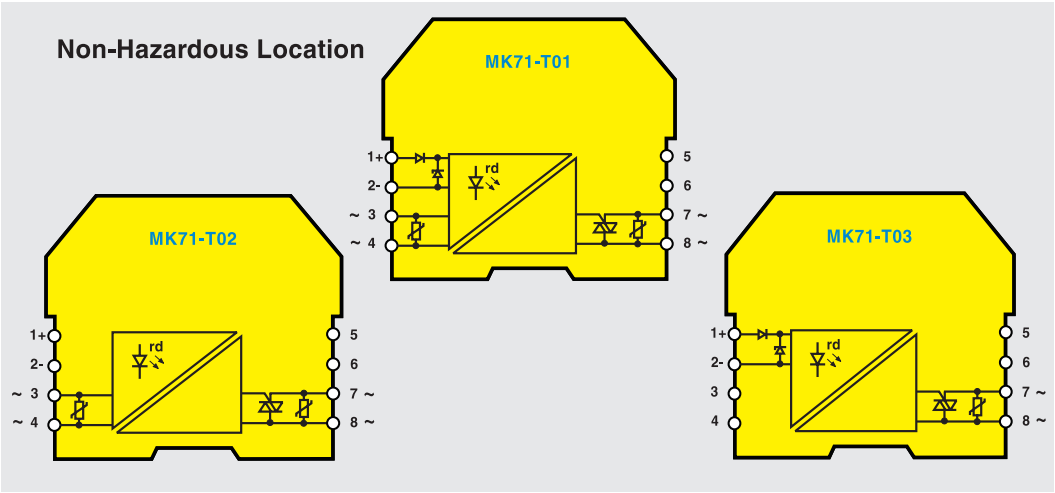
- 10-65 VDC
- 90-250 VAC

The output circuit consists of a Triac circuit that switches up to 500 mA at 20-250 VAC.

The **MK71-Z02** has one AC input circuit; the **MK-Z03** has one DC input circuit.
Both units feature a Triac output circuit that switches up to 400 mA at 20-250 VAC.

MK71-Z01/24VDC
MK71-Z02/24VDC
MK71-Z03/24VDC

Connection Diagram



Inductive Coupler
MK71-.../24VDC (Z01,Z02,Z03)

Type ID Number	**MK71-Z01/24VDC** M7508500	**MK71-Z02/24VDC** M7508600	**MK71-Z03/24VDC** M7508700
Galvanic Isolation Isolation test voltage	input / output circuit 2 kV/1 min.	input / output circuit 2 kV/1 min.	input / output circuit 2 kV/1 min.
Input Circuits			
DC control input (1 and 2)			
- "OFF" signal	0-5 VDC	- - - -	0-5 VDC
- "ON signal	10-65 VDC	- - - -	10-65 VDC
- Input current	approx. 6 mA/10-65 VDC	- - - -	approx. 5 mA (Vi = 5 V), approx. 10 mA (Vi = 65 V)
AC control input (3 and 4)			
- "OFF" signal	0-60 VAC	0-80 VAC	- - - -
- "ON" signal	90-250 VAC	160-250 VAC	- - - -
- Input current	5 mA/90 VAC, 15 mA/250 VAC	approx. 10 mA	- - - -
Output Circuits	Triac	Triac	Triac
Switching voltage	20-250 VAC	20-250 VAC	20-250 VAC
Switching current	5-500 mA	5-400 mA	5-400 mA
Leakage current	≤1 mA	≤1 mA	≤1 mA
Voltage drop	≤3 V	≤3.5 V	≤3.5 V
Switching frequency	- - - -	≤20 Hz	≤20 Hz
"ON" delay	- - - -	20 ms	3 ms
"OFF" delay	- - - -	10-20 ms (phase dependent)	3-13 ms (phase dependent)
Signal Delay Input			
- Output			
DC input – output	5 ms	- - - -	- - - -
AC input – output	20 ms	- - - -	- - - -
LED Indications			
- Output on	red	red	red
Housing Style	Diagram A (page A17)	Diagram A (page A17)	Diagram A (page A17)

Clearwater Tech - Phone: 800.894.0412 - Fax: 208.368.0415 - Web: www.clrwtr.com - Email: info@clrwtr.com