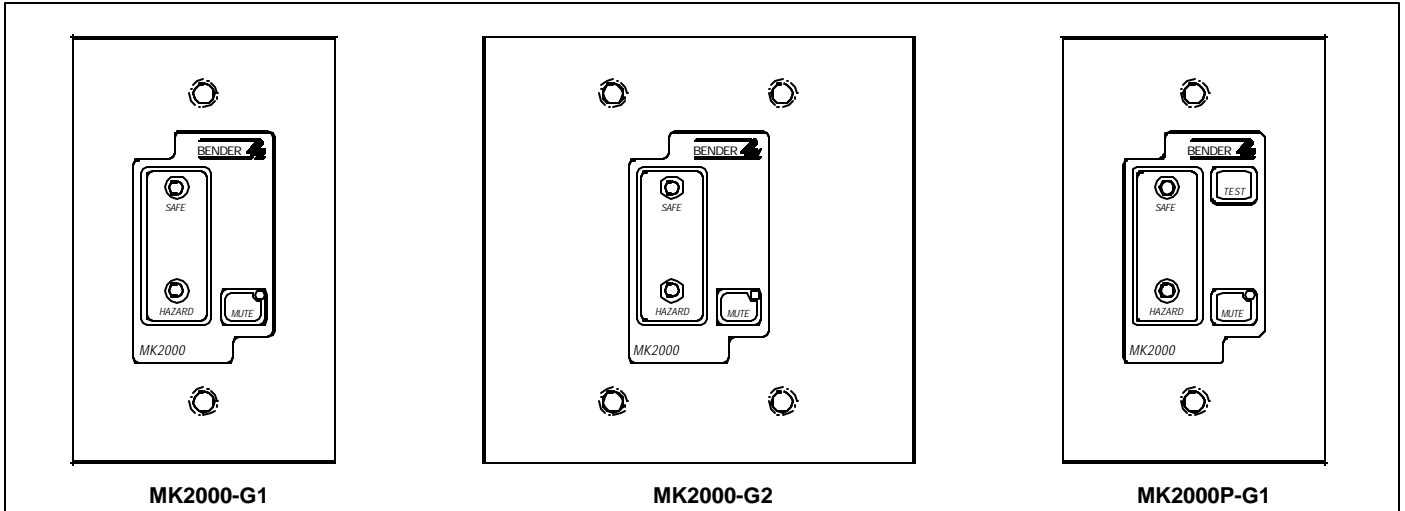


**Remote Indicator
for Line Isolation Monitor**

**MK2000-G1
MK2000-G2
MK2000P-G1
MK2000P-G2**



Product Description

Remote Indicators are used with BENDER Line Isolation Monitors (LIM's) and are mounted in remote locations. A remote indicator duplicates the LIM audible and visible alarm signals. A mute switch is used to silence the remote buzzer (local muting). Optionally it can be used to silence all buzzers in the system (system muting). The test button can remotely perform a function test of the LIM. Remotes with meters which display THC are available. For information see MK2000M-G2 data sheet.

The remote indicators MK2000 and MK2000P are supplied as one-gang (G1) or two-gang (G2) stainless steel faceplates for flush mounting into a panel or wall box with a 2" minimum depth. The basic electrical connection is made via three wires. For test function and system muting refer to wiring diagram on page 2.

Custom remotes and remote annunciator stations (RAS) are also available. For information see RAS data sheet.

Operational Information

The remote indicators are controlled by a 12V AC/DC signal from the LIM. The maximum current consumption is 40mA. A green "SAFE" LED remains on while the safe wire is energized.

When the LIM goes into the alarm condition the hazard line is energized. The remote "SAFE" LED is extinguished and the red "HAZARD" LED is lit. While in "HAZARD" the remote buzzer will sound. The buzzer can be silenced by pushing the "MUTE" switch. A muted buzzer is indicated by an amber LED integrated in the switch. The muting function is reset automatically when the fault is removed. The test button will put the LIM through the test cycle. The button must be held for approximately ten (10) seconds to complete the test.

- LED display for long life
- No interference with medical equipment
- Interfaces with all BENDER LIM's
- Interfaces with all other manufacturers LIM's
- Uses low voltage wiring (12V DC or 12V AC)
- Mounts to standard electrical gang box
- Connection is by screw terminal strip
- Easy to clean rugged stainless steel and lexan design

Ordering Information

Type	Article No.
MK2000-G1	923520
MK2000-G2	923521
MK2000P-G1	923523
MK2000P-G2	923524

Technical Data for MK2000 -G1/ -G2 & MK2000P -G1 / -G2

Operating voltage	12V DC or 12V AC
Max. current	40 mA
Operation class	continuous operation
Ambient temperature	
when operating	0°C...50°C 32°F...122°F
when stored	-10°C...70°C 14°F...158°F
Connection	screw terminal block
Max. conductor size	18 AWG stranded
Mounting	by screws
Weight	
MK2000-G1 & MK2000P-G1	0.25 lb
MK2000-G2 & MK2000P-G2	0.32 lb

Standards

The BENDER LIM meets or exceeds all applicable U.S. and Canadian specifications. It complies with **NEC Article 517**, **NFPA 99**, **UL1022** and is UL recognized under file no. **E81789** and CSA recognized under file no. **LR60783-3**.

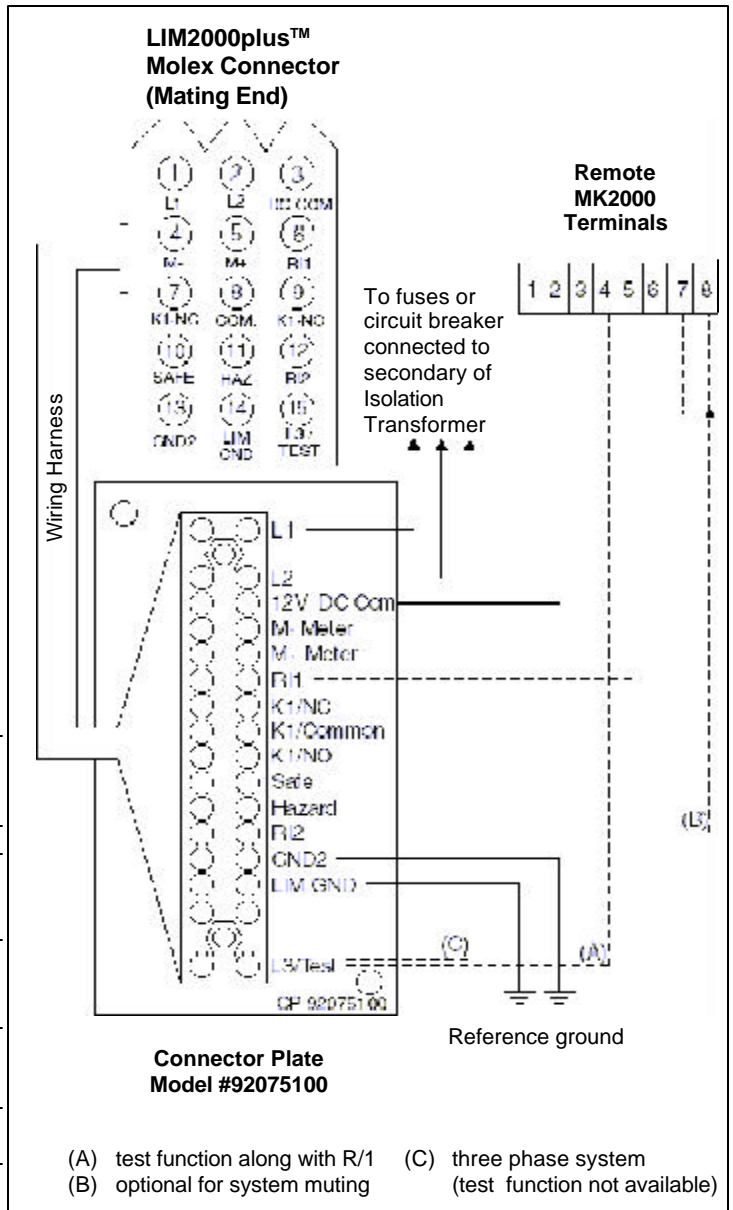
Legend to Wiring Diagram

L1, L2:	To secondary of Isolation Transformer. Recommended circuit breaker, 10A, 2-pole
12V DC Com.:	Common connection of external Remote Indicator
Safe:	"Safe" light
Hazard:	"Hazard" light
M-, M+:	External mA meter (400 µA)
RI1:	Test button source
RI2:	Local and system muting from LIM and Remote Indicator
K1/NC:	NC contact of the alarm relay K1
K1/Common:	Common contact of the alarm relay K1
K1/NO:	NO contact of the alarm relay K1
GND2, LIM GND:	Ground connections, if one is interrupted LIM will alarm
L3/Test:	Remote "Test" function or connection L3 in three phase systems

Safety Instruction



Electrical equipment shall only be installed by qualified personnel in consideration of the applicable safety regulations.



Dimension Diagram inch

