

DESCRIPTION OF OPTION:

This option gives the user 4 additional programs to bring the total number of programs to 8. Inputs on the iPLC1 are available that allows the user to select the running program from a remote location.

OPERATING CHANGES AND ADDITIONS:

- 1) In order to safeguard against un-expected operations, the remote input or the keyboard input can not be used to select the running program while the other input is active.
 - a) When any remote input is active, the keyboard can not be used to change the running program. All remote inputs must be inactive before the keyboard can change the running program. All other functions that are available from the keyboard are still accessible including Program Mode.
 - b) The remote inputs are disabled and the program number cannot be changed if the unit is in Program Mode.
- 2) Power Up Sequence:
 - a) If any remote input is active during power up, the controller will load the program that is selected by the state of the remote inputs as the running program.
 - b) If all of the remote inputs are inactive on power-up, the controller will load the program that was last selected by a keyboard input as the running program.

HARDWARE CONNECTIONS:

The remote program select function uses 8 inputs on the iPLC1-PG. Inputs 1 through 8 are used to select programs 1 through 8. Activating Input 1 selects Program 1, Input 2 selects Program 2 etc.

LOGIC LEVELS:

An input can have two different logic levels, a Logic "0" or a Logic "1". A logic 0 is an inputs normal "inactive" state. A Logic 1 is an inputs "active" state. Input Logic levels are defined as follows:

Logic "0" 0 to 1 Vdc.
Logic "1" 3 to 15 Vdc.

- Note:
- 1) All inputs are referenced to GND
 - 2) With Open Collector Sink and TTL output units, the internal +12Vdc unregulated supply can be used to supply a Logic "1" to the inputs.
 - 3) With Open Collector Sourcing Units, an external power supply must be used.

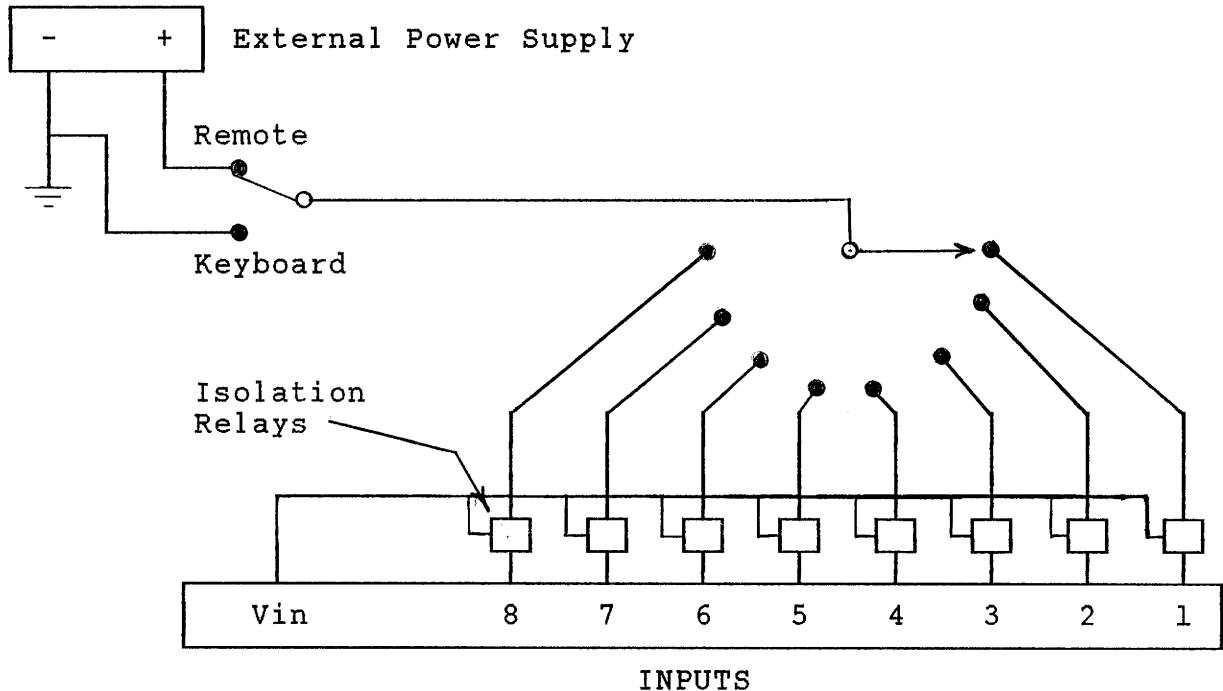
The following table lists the pinout assignments of the inputs and the internal +12 Volt supply on various AMCI products.

	J1 CONN.	IM1	RB1	MRB
INPUT 1	Pin 3	Pin 3	Pin 1 - TB7	Pin 1 - TB8
INPUT 2	Pin 1	Pin 1	Pin 2 - TB7	Pin 2 - TB8
INPUT 3	Pin 2	Pin 2	Pin 3 - TB7	Pin 3 - TB8
INPUT 4	Pin 4	Pin 4	Pin 4 - TB7	Pin 4 - TB8
INPUT 5	Pin 12	Pin 12	Pin 5 - TB7	Pin 5 - TB8
INPUT 6	Pin 10	Pin 10	Pin 6 - TB7	Pin 6 - TB8
INPUT 8	Pin 6	Pin 6	Pin 8 - TB7	Pin 8 - TB8
GND	Pin 16	Pin 16	Pin 9 - TB7	Pin 9 - TB8
+12 Vdc	Pin 14	Pin 14	Pin 10 - TB7	Pin 10 - TB8

INPUT 7 PIN 8 PIN 8 PIN 7 - TB7 PIN 7 - TB8

HARDWARE CONNECTIONS: (cont'd)

SET-UP EXAMPLE:



NOTES:

- 1) Remote/Keyboard Switch. A SPDT Switch is used to determine which input device will be used.
- 2) Isolation Relays. These should be used to isolate the controller from the external supply to guard against ground loops and noise coupling.

MODEL NUMBER AND SOFTWARE CHECKSUM:

This section of the additional instructions supplements SECTION 14.0) of the iPLC1 USERS MANUAL. The following keystrokes will display the model number and software checksum of an iPLC1/PG unit.

PRESS	DISPLAY	COMMENTS
[PROGRAM]	"PROGRAM xx"	xx = Number of running program.
[NEXT]	"IPLC1-PG-A"	Model and Revision Number.
[NEXT]	"EPROM 3C16"	Checksum of Software.

AMCI is constantly improving the software it installs in its units. The above Revision Number and Software Checksum are current as of the first publication date of these instructions. The Revision Number and Software Checksum on your unit may not match.