

# COMMAND REFERENCE

PLC03 instruction set includes:

## INPUT INSTRUCTIONS

If closed -] [-  
If open -] / [-  
One-shot -[OS]-

## OUTPUT INSTRUCTIONS

OUT - turns a bit On  
INPIM - Update inputs immediately  
L - (Latch) turns bit on until it is unlatched  
U - (UnLatch) turns bit off

## PROGRAM FLOW CONTROL INSTRUCTIONS

ZCE - Zone Control End, for Jump or Master Control Relay  
MCR - Master Control Relay - all outputs within MCR through ZCE are turned off until ZCE is reached  
JMP - Jump - all outputs within JMP through ZCE are frozen in their last state until ZCE is reached  
EOS - Conditional end of scan

## COUNTER INSTRUCTIONS

CTR - Counter with fixed preset  
CTRPR - Counter with modifiable preset  
RST - Counter reset

## OPERATOR INTERFACE INSTRUCTIONS

MSG - Display the selected message number on LCD panel

## LOGICAL ARITHMETIC INSTRUCTIONS

MOV - Move from register to register  
MOVC - Move constant into register  
DEC - Decrements register (overflow protected)  
INC - Increments register (overflow protected)  
ADD - Add register to register  
ADDC - Add constant to register  
SUB - Subtract register from register  
SUBC - Subtract constant from register  
EQ - Tests whether two registers are equal in value  
EQC - Tests whether a register is equal in value to a constant  
GT - Tests whether one register is greater in value than another  
GTC - Tests whether constant is greater than register  
LAND - Logical AND between two registers  
LOR - Logical OR between two registers  
LANDC - Logical AND between a register and a constant  
LORC - Logical OR between a register and a constant  
XOR - Exclusive OR between two registers  
XORC - Exclusive OR between a register and a constant  
SHR - Shift contents of register to the right (overflow protected)  
SHL - Shift contents of register to the left (overflow protected)  
LSHL - Shift contents of register to the left (overflow protected)