MicroMag

Micro CONTROL SYSTEMS

SENSOR M-1
SENSOR M-2
SENSOR M-3
SENSOR M-4
SENSOR M-5
SENSOR M-6
SENSOR M-7
SENSOR M-8
SENSOR M-9
SENSOR M-10

M-T

RELAY M-1
RELAY M-2
RELAY M-3
RELAY M-4
RELAY M-5
RELAY M-6

Board

TEMP
MCS I/O
RS-485 - +

+5 +12
AO4 AO3
AO2 AO1

+5 S1   +5 S2   +5 S3   +5 S4   +5 S5   +5 S6   +5 S7   +5 S8   +5 S9   +5 S10
DIGITAL ANALOG (×10)

RS485 #2   GND - +

MENU   ← → ↑ ↓ ↵

POWER IN
12VDC IN + -
12 VAC LINE
12 VAC NEUTRAL

24VAC   UNLD   C1 NO1 C2   NO2 C3 NO3   C4 NO4 C5   NO5 C6 NO6

Title Block

Factory wired:
Field wired: — — —
Digital Sensor Jumper :
Analog Sensor Jumper :

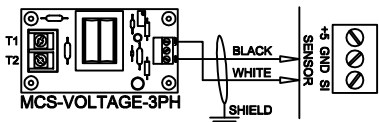| JOB SITE NAME:	
COMPANY NAME:	
SO #:	
Unit Type	UNIT TYPE:
Drawing #	DRAWING #:
Revision	REVISION:
CAD Tech	NAME: DATE: PAGE #'s:

MCS SENSOR TEMPLATES

All sensors on Template are wired as Factory wired, if needed to be Field wired change lines to dash lines and color to 46.
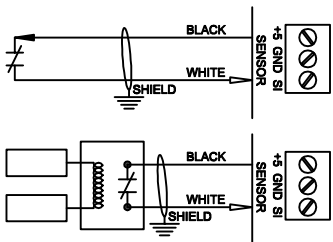

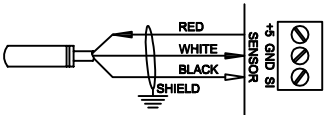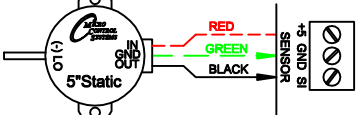
MCS-CT100/250/300/500/750/1500
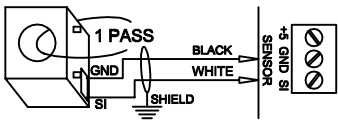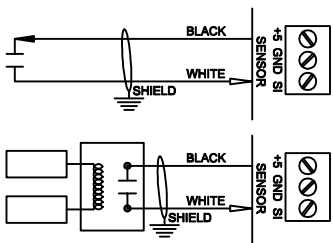
MCS-VOLTAGE

DIGITAL INPUT (NC)
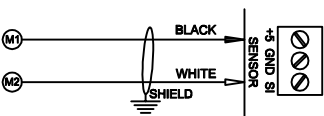
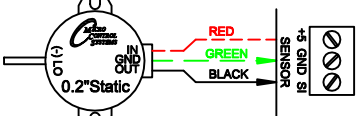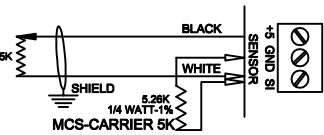MCS-T100/T100-L/T300/T300-H/T300-L

MCS-STATIC-5"B

DIGITAL INPUT (NO)

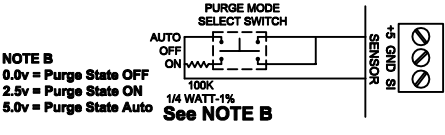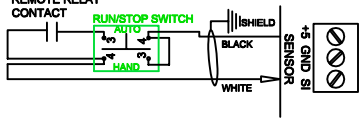Hanbell Motor Protector (INT69IHBY)
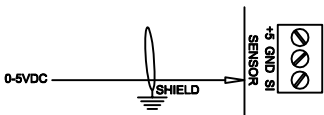
MCS-STATIC-0.2"B

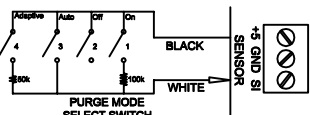Carrier 5K Thermistor

Trane Purge Select Switch
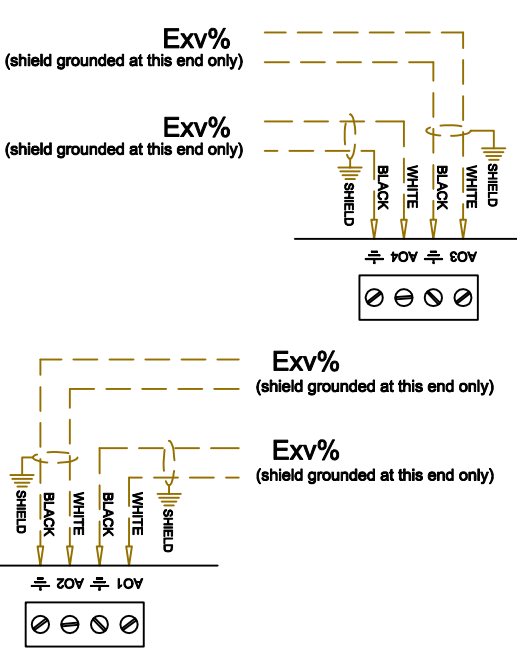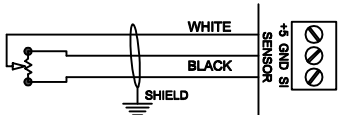
Three Way RUN/OFF/AUTO Switch
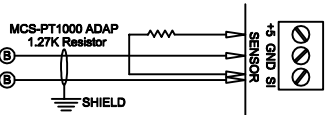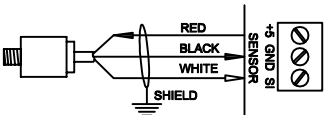
External 0-5VDC Input

4-way Purge Mode Switch

ANALOG OUT

Potentiometer
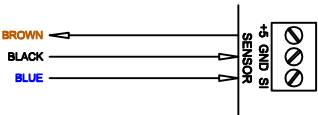
MCS-PT1000

MCS-200/500/667
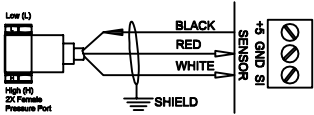
Level Sensor

MCS-PSI-DIFF

DIGITAL INPUT (NC)

MCS-HUMD-OS

Factory wired: _____
Field wired: ‑ ‑ ‑ ‑ ‑ ‑

Analog Sensor Jumper :
Digital Sensor Jumper :
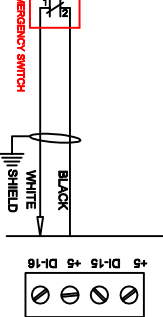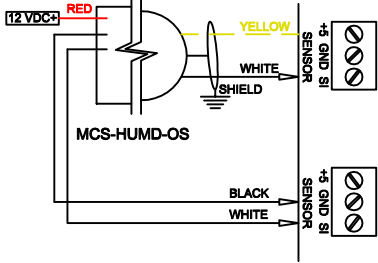
NOTES:

1. Sensors MUST use shielded cable and shield must not be broken.

2. All shields for sensors are to be wired to Earth Ground.

3. All sensor inputs are 0 to 5vdc.

4. If a MCS-RO-BASE, MCS-SI-BASE, OR MCS-IO-BASE has an MCS-RO-EXT, MCS-SI-EXT, OR MCS-IO-EXT installed, the EXT address is the BASE +1.
   Example: MCS-IO-BASE   Address = 1
   MCS-IO-EXT   Address = 2

5. Amp input sensors are field wired and must be shielded cable. They generate their own voltage and do not require 5vdc from the MCS boards.

6. Digital input sensors are field wired and must be shielded cable. The 5vdc is taken from the sensor terminal and wired through the switch. The jumper must then be set to digital.

7. Use copper wire only.

8. External Main Power Disconnect must be provided by others.

	JOB SITE NAME:
MICRO CONTROL SYSTEMS	
SO #:	COMPANY NAME:
Unit Type	UNIT TYPE:
Drawing #	DRAWING #:
Revision	REVISION: DATE:
CAD Tech	NAME: PAGE #'s: