MODEL 363 VIEWPAC™
MULTI-POINT DIGITAL RECORDER
COMMON WIRING DIAGRAMS

This configuration guide contains a collection of Model 363 common wiring diagrams. These diagrams should be helpful when preparing individual wiring diagrams since they include examples of most of the basic wiring considerations. Refer to the Recorder’s Installation and Service Instruction, SD363-1, for more details on Model 363 electrical connections.

The following is a list of diagrams included in this guide.

<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>W363</td>
<td>Model 363 Rear Terminal Assignments</td>
</tr>
<tr>
<td>W363-1</td>
<td>Model 385 to Model 363 Connections for Recording a Two-Wire Transmitter</td>
</tr>
<tr>
<td>W363-2</td>
<td>Model 352 to Model 363 Connections for Recording a Two-Wire Transmitter</td>
</tr>
<tr>
<td>W363-3</td>
<td>Model 363 Connections for External Alarm Acknowledge</td>
</tr>
<tr>
<td>W363-4</td>
<td>Model 363 Connections for External Alarm Annunciation</td>
</tr>
<tr>
<td>W363-5</td>
<td>Model 363 Connections for Thermocouple Universal Input</td>
</tr>
<tr>
<td>W363-6</td>
<td>Model 363 Connections for External Relay Load</td>
</tr>
<tr>
<td>W363-7</td>
<td>Model 363 VIEWPAC Analog Input Wiring</td>
</tr>
</tbody>
</table>
# MODEL 363 REAR TERMINAL ASSIGNMENTS

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LINK (+)</td>
<td>UNV IN1 (+)</td>
<td>I/O IN1 (+)</td>
</tr>
<tr>
<td>2</td>
<td>LINK (-)</td>
<td>UNV IN1 (-)</td>
<td>I/O IN1 (-)</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>I/O COM</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>ANALOG INPUT 1 (+)</td>
<td>UNV IN3 (+)</td>
<td>I/O COM</td>
</tr>
<tr>
<td>6</td>
<td>ANALOG INPUT 1 (-)</td>
<td>UNV IN3 (-)</td>
<td>I/O IN4 (+)</td>
</tr>
<tr>
<td>7</td>
<td>ANALOG INPUT 2 (+)</td>
<td>UNV IN4 (+)</td>
<td>I/O IN5 (+)</td>
</tr>
<tr>
<td>8</td>
<td>ANALOG INPUT 2 (-)</td>
<td>UNV IN4 (-)</td>
<td>I/O IN6 (+)</td>
</tr>
<tr>
<td>9</td>
<td>ANALOG INPUT 3 (+)</td>
<td>UNV IN5 (+)</td>
<td>I/O IN7 (+)</td>
</tr>
<tr>
<td>10</td>
<td>ANALOG INPUT 3 (-)</td>
<td>UNV IN5 (-)</td>
<td>I/O IN7 (-)</td>
</tr>
<tr>
<td>11</td>
<td>ANALOG INPUT 4 (+)</td>
<td>UNV IN6 (+)</td>
<td>I/O IN8 (+)</td>
</tr>
<tr>
<td>12</td>
<td>ANALOG INPUT 4 (-)</td>
<td>UNV IN6 (-)</td>
<td>I/O IN8 (-)</td>
</tr>
</tbody>
</table>

**NOTES:**

- CONNECTION TO SCREW TERMINALS DEPENDS ON OPTIONAL I/O BOARDS INSTALLED
- EITHER UNIVERSAL INPUTS #1-8 OR DISCRETE I/O INPUTS #1-8 MAY BE INSTALLED IN THE STATION, NOT BOTH
- ALL COMMONS INTERNALLY CONNECTED
- CASE SAFETY GROUND NOT TIED TO COMMONS
- ANALOG & UNIVERSAL INPUTS (-) ISOLATED FROM STATION COMMON

**AC HOT OR DC (+)**

**AC NTRL OR DC (-)**

**CASE SAFETY GND**

DRAWING NO.: W363
MODEL 363 WIRING DIAGRAMS

85 to 264 VAC 47 to 63 Hz

A B
H 1
N 2
G 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10

C D
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10

A B C
1 1 2
2 2 2
3 3 3
4 4 4
5 5 5
6 6 6
7 7 7
8 8 8
9 9 9
10 10 10

ANALOG INPUT #1
26Vdc 80mA

LOOP #1 INPUT
250 ohms

MODEL 385 - MODEL 363 CONNECTIONS FOR RECORDING A 2-WIRE TRANSMITTER

NOTES:

RECORER ANALOG INPUTS ARE 1-5v ISOLATED INPUTS
NO RESISTOR NEEDED ON 363 IF HARDWIRED AS SHOWN, 385 AND 363 MUST BE IN CLOSE PROXIMITY
THREE SIMILAR LOOPS MAY BE CONFIGURED FOR THIS STATION USING TERMINALS A7 THRU A12 (SEE DIAGRAM W363)
INFORMATION PASSED TO RECORDER CAN BE PASSED VIA THE LOCAL INSTRUMENT LINK RSTEAD OF HARDWIRING AS SHOWN
COMPLETE 385 WIRING INFORMATION CAN BE FOUND IN DOCUMENT CG385-6
MODEL 352 WIRING DIAGRAMS

MODEL 352 - MODEL 363 CONNECTIONS FOR RECORDING A 2-WIRE TRANSMITTER

NOTES:

RECORDER ANALOG INPUTS ARE 1-5V ISOLATED INPUTS
NO RESISTOR NEEDED ON 363 IF HARDWIRED AS SHOWN, 352 AND 363 MUST BE IN CLOSE PROXIMITY
THREE SIMILAR LOOPS MAY BE CONFIGURED FOR THIS STATION USING TERMINALS A7 THRU A12
(SEE DIAGRAM W363)
INFORMATION PASSED TO RECORDER CAN BE PASSED VIA THE LOCAL INSTRUMENT LINK INSTEAD OF HARDWIRING AS SHOWN
COMPLETE 352 WIRING INFORMATION CAN BE FOUND IN DOCUMENT AD352-110

MOORE

DRAWING NO. : W363-2
MODEL 363 WIRING DIAGRAMS

MODEL 363 CONFIGURED FOR EXTERNAL ALARM ACKNOWLEDGE

NOTES:
ONE DISCRETE I/O COMMON SHOULD BE TIED TO GROUND BUS
ACTUAL USE OF DISCRETE I/O INPUTS DEPENDENT UPON 363 CONFIGURATION
EXTERNAL ALARM ACKNOWLEDGE ONLY ONE EXAMPLE OF USE FOR DISCRETE INPUT
DISCRETE I/O POSITIVE CONNECTED TO POWER

DRAWING NO. : W363-3
MODEL 363 WIRING DIAGRAMS

MODEL 363 CONFIGURED FOR EXTERNAL ALARM ANNUNCIATION

NOTES:
ONE DISCRETE I/O COMMON SHOULD BE TIED TO GROUND BUS
ACTUAL USE OF DISCRETE I/O OUTPUTS DEPENDENT UPON 363 CONFIGURATION
EXTERNAL ALARM ANNUNCIATION ONLY ONE EXAMPLE OF USE FOR DISCRETE OUTPUT
DISCRETE I/O POSITIVE CONNECTED TO POWER

DRAWING NO. : W363-4
MODEL 363 WIRING DIAGRAMS

MODEL 363 CONFIGURED FOR THERMOCOUPLE INPUT

NOTES:
363 UNIVERSAL INPUTS ARE ISOLATED
UNIVERSAL INPUTS MAY BE USED FOR T/C, WIDE mv, NARROW mv AND ANALOG VOLTAGE

DRAWING NO. : W363-5
MODEL 363 WIRING DIAGRAMS

MODEL 363 CONFIGURED FOR EXTERNAL RELAY LOAD

NOTES:
ONE DISCRETE I/O COMMON SHOULD BE TIED TO GROUND BUS
ACTUAL USE OF DISCRETE I/O OUTPUTS DEPENDENT UPTON 363 CONFIGURATION
EXTERNAL RELAY ONLY ONE EXAMPLE OF USE FOR DISCRETE OUTPUT
DISCRETE I/O POSITIVE CONNECTED TO POWER
TRANSIENT SUPPRESSION DIODE (IN4005 OR EQUIVALENT) REQUIRED

DRAWING NO.: W363-6
Model 363 VIEWPAC
Rear Terminals

External Power
120/230 Vac
30W
Note 3

Hot

Neutral

Earth Ground

Recorder Circuit

A4

+26 Vdc

See note 1.

A5

1-5 Vdc

Recorder Analog Input 1,
See note 2

A6

A7

250

Recorder Analog Input 2,
See note 2

A8

A9

250

Recorder Analog Input 3,
See note 2

A10

1-5 Vdc

Power Supply

Transmitter powered by
Model 363's internal
+26 Vdc supply.

Model 340,
2-Wire Transmitter,
4-20 mA Output

Transmitter powered by
Model 363's internal
+26 Vdc supply.

Model 340,
2-Wire Transmitter,
4-20 mA Output

Transmitter powered by an
external power supply.

Model 340,
2-Wire Transmitter,
4-20 mA Output

Notes:
1. Terminal A4 supplies +26 Vdc to power an external device such as a 2-wire transmitter.
2. Recorder analog inputs are isolated 1-5 Vdc. Refer to UM363-1 for other Recorder inputs.
3. Refer to SD363-1 for power requirements and detailed wiring and grounding information.
4. Range resistors shown are 250 ohms for converting 4-20 mA to 1-5 Vdc. Use other resistor
values for other currents.
5. When powering a transmitter or other device from terminal A4, jumper that analog input's
common (-) to A6.

DRAWING W363-7  Model 363 VIEWPAC Analog Input Wiring