Class 58 Drum Controllers start, stop and change the speed and/or rotating direction of reversible AC and DC electric motors. Most Controllers are available in NEMA 1 or NEMA 4 enclosures. The Compact A Series of controllers offers Reversing, Two Speed and Two Speed Reversing controls in NEMA 1 enclosures for applications where space may be restricted.

Note: To prevent unintentional operation, OSHA regulations and local installation codes may require guarding of handles. Consult these requirements prior to selecting a drum switch or handle.

The simple yet rugged construction of Hubbell drum controllers make these ideal for applications such as:
- Doors
- Metal and Woodworking Machinery
- Conveyors

Auxiliary Equipment
A variety of handle styles are available as Field Modifications. The Compact A Series offers modifications to accommodate flush and surface mounting.

Standard Features include:
- Rated to 10 HP 600V
- Easy Terminal Access
- Heavy Duty Contacts
- Choice of Handle Kits
- Variety of Mounting Accessories
- Enclosure Types NEMA 1 & NEMA 4
- UL Listed
- CSA Certified

Models:

- **J5**
  - NEMA 1

- **WR44**
  - NEMA 4

- **WJ5**
  - NEMA 4

- **58R44R**
  - NEMA 1
### Class 58 Drum Controllers

#### Drum Controller, 1 Phase and 3 Phase - Class 58

<table>
<thead>
<tr>
<th>Type/Purpose</th>
<th>Max HP</th>
<th>Wiring Diagram</th>
<th>Enclosure</th>
<th>NEMA 1</th>
<th>NEMA 4</th>
<th>DISCOUNT CODE FP</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1 Phase Volt AC</td>
<td>3 Phase Volts AC</td>
<td>Volt DC</td>
<td>Diagram Figure</td>
<td>Price</td>
<td>Price</td>
</tr>
<tr>
<td>Reversing/Maintaining</td>
<td>1½</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>¾</td>
<td>58R327T¹</td>
</tr>
<tr>
<td>Reversing/Maintaining</td>
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<td>2</td>
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<td>2</td>
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<td>58R44¹</td>
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<td>3</td>
<td>1</td>
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<tr>
<td>Reversing/Maintaining</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>7½</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Reversing/Maintaining</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>7½</td>
<td>7½</td>
<td>7½</td>
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<tr>
<td>Reversing/Maintaining</td>
<td>3</td>
<td>7½</td>
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<td>2</td>
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<tr>
<td>Reversing/Maintaining</td>
<td>1½</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>¾</td>
<td>58R327R</td>
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<tr>
<td>Reversing/Maintaining</td>
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<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>¾</td>
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### Drum Controller, 1 Phase and 3 Phase, Compact A Series - Class 58

<table>
<thead>
<tr>
<th>Type/Purpose</th>
<th>Max HP</th>
<th>Wiring Diagram</th>
<th>Enclosure</th>
<th>NEMA 1</th>
<th>NEMA 4</th>
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</thead>
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<tr>
<td></td>
<td>1 Phase Volt AC</td>
<td>3 Phase Volts AC</td>
<td>Volt DC</td>
<td>Diagram Figure</td>
<td>Price</td>
</tr>
<tr>
<td>Reversing Maintained</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>¾</td>
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</table>

### Drum Controller, Two Speed, Non-Reversing - Class 58

<table>
<thead>
<tr>
<th>Type/Purpose</th>
<th>Max HP</th>
<th>Wiring Diagram</th>
<th>Enclosure</th>
<th>NEMA 1</th>
<th>NEMA 4</th>
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</thead>
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<tr>
<td>Two Speed/Non-Reversing</td>
<td>3</td>
<td>240-600V</td>
<td>240-600V</td>
<td>5</td>
<td>JV2</td>
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<tr>
<td>Two Speed/Non-Reversing</td>
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<td>240-600V</td>
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<td>5</td>
<td>JV5</td>
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### Special Applications, 1 Phase and 3 Phase - Class 58

<table>
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<th>Enclosure</th>
<th>NEMA 1</th>
<th>NEMA 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintained with Limit Switch Selection</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>240</td>
<td>120V-240V</td>
</tr>
<tr>
<td>Maintained Magnetic Chuck</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>1500W</td>
<td>J2166A</td>
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</table>

¹ The 58R44, WR327A, WR44 and 58R327T are maintained only. To order momentary controllers use catalog numbers 58R44M, WR327AR, WR44R and 58R327S respectively.

² Switch is shipped maintained customer adjustable to momentary. Remove handle, turn rotor 180° (1/2 revolution), replace handle.

Prices subject to change without notice.
### Handles

<table>
<thead>
<tr>
<th>Controller Prefix</th>
<th>Description</th>
<th>Field Replacement Model Number</th>
<th>List Price</th>
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<tbody>
<tr>
<td>A</td>
<td>Radial</td>
<td>75D55711001</td>
<td>$60</td>
</tr>
<tr>
<td>R</td>
<td>Radial</td>
<td>75D55711001</td>
<td>$60</td>
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<tr>
<td></td>
<td>Radial</td>
<td>75D32963009</td>
<td>$70</td>
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<tr>
<td>J</td>
<td>Radial</td>
<td>75D55711001</td>
<td>$60</td>
</tr>
<tr>
<td></td>
<td>Angle - Red</td>
<td>75D50620002</td>
<td>$60</td>
</tr>
<tr>
<td>WJ</td>
<td>Radial</td>
<td>75D32963025</td>
<td>$70</td>
</tr>
<tr>
<td>WR</td>
<td>Radial</td>
<td>75D32963007</td>
<td>$70</td>
</tr>
<tr>
<td>58R</td>
<td>Angle - Chrome</td>
<td>75D56597001</td>
<td>$88</td>
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<tr>
<td></td>
<td>Radial</td>
<td>75D55711001</td>
<td>$60</td>
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<tr>
<td></td>
<td>Radial</td>
<td>75D32963009</td>
<td>$70</td>
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</tbody>
</table>

¹ For exact replacement ONLY (not all handles are interchangeable). Handles available as field kits only.

---

**Discount Code FS**

<table>
<thead>
<tr>
<th>Drum Controller Number</th>
<th>Model Number</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR44, WR44R</td>
<td>PK4</td>
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<tr>
<td>J1944, J2, JP2, JT2513, WJ2, WJP2, WJT2</td>
<td>PK20</td>
<td>$128</td>
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<td>T3</td>
<td>PK22</td>
<td>$179</td>
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<td>TT3</td>
<td>PK40</td>
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<td></td>
<td>PK41</td>
<td>$306</td>
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</table>

Prices subject to change without notice.
### Class 58 Drum Controller

#### Wiring

**Class 58 Drum Controller**

- **WR327A, WR327AR**
- **WR44, WR44R**
- **WJ2, WJ5**
- **T3**
- **WJ2, WJ5, WJ2V, J25V**
- **WR44, WR44R, WR327A, WR327AR**

---

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Figure</th>
<th>Outline Dimensions</th>
<th>Mtg. Dimensions</th>
<th>Mtg. Screw</th>
<th>Conduit Size</th>
<th>Approx. Ship Wt. Lbs. (Kg)</th>
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<tr>
<td>A14</td>
<td>5</td>
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<td>2.38 (60)</td>
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<tr>
<td>58R44, 58R327</td>
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<td>5.25 (133)</td>
<td>5.44 (138)</td>
<td>5.44 (138)</td>
<td>6.13 (166)</td>
<td>3/16 (51)</td>
</tr>
<tr>
<td>J2, J5, J2166A</td>
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<td>4.75 (121)</td>
<td>5.13 (130)</td>
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<tr>
<td>JV2, JV5</td>
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<td>8.0 (203)</td>
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<tr>
<td>R2453</td>
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<td>5.13 (130)</td>
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<tr>
<td>TT3</td>
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<td>9.5 (241)</td>
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<td>3/16 (51)</td>
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<tr>
<td>T3</td>
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<td>7.56 (218)</td>
<td>8.0 (203)</td>
<td>8.0 (203)</td>
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<td>3/16 (51)</td>
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<tr>
<td>WJ2, WJ5</td>
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<td>7.63 (194)</td>
<td>8.0 (203)</td>
<td>8.0 (203)</td>
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<tr>
<td>WJ2V, J25V</td>
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<td>8.0 (203)</td>
<td>8.0 (203)</td>
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<td>3/16 (51)</td>
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<tr>
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<td>2</td>
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<td>5.44 (138)</td>
<td>6.13 (166)</td>
<td>6.47 (166)</td>
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<tr>
<td>WR327A, WR327AR</td>
<td>2</td>
<td>4.63 (117)</td>
<td>3.75 (95)</td>
<td>4.25 (108)</td>
<td>6.13 (166)</td>
<td>3/16 (51)</td>
</tr>
</tbody>
</table>

**Note:** Dimensions for reference, not for construction.

Dimensions are in inches (mm).
Class 58 Drum Controller

Wiring

Figure 1
6 Lead Dual Voltage Motors

Lower Voltage
Start1
L1 L2
Start
L1 L2

Higher Voltage

Internal Connections

For. Off Rev.

Induction Repulsion Motors

3 Leads
L1 L2

4 Leads
L1 L2

Polyphase—One Line Direct
3 Phase
T1 T2 T3

2 Phase 3 Wire
L1 L2 L3

Shunt Field

Direct Current Motors
Compound or Series

4 Lead Cap. or Split Phase

Start
L1 L2

Figure 2
DC Shunt

Shunt
Arm
L1 L2

DC Series

Series
Arm
L1 L2

Internal Connections

For. Off Rev.

DC Compound

Shunt
Arm
L1 L2

Split Phase

Add Jumper
L1 L2

Induction Repulsion—4 Motor Leads
3 Motor Leads

Windings in Series

3 Phase

L1 L2

L1 L2 L3

3 Phase Wire

L1 L2 L3

Figure 3

Direct Current

DC Shunt

Arm
Field
L1 L2

DC Series

Condenser Motor—4 Leads

3 Phase

A1 A2 1 2

A 3 4 2 1

Condenser Motor—6 Leads

Split Phase

Start

Rev.

Condenser Motor
6 Leads 240 Volts

Internal Connections—Bottom View

Off-On Double Pole Single Throw

Repulsion Induction—4 Motor Leads
Series Winding Reversing Type Only

Start
L1 L2

Start
L1 L2

Start
L1 L2
Wiring

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9 JET4

Figure 10 JED4

Figure 11 JEH4