

USING AUTOMATIONDIRECT PLCs WITH SR44 SOFT STARTERS



NOTE: SR44 soft starters have been discontinued. Please consider SR55 soft starters as a replacements.

Contents of this Appendix...

| | |
|--|-----|
| Compatibility Overview | D-2 |
| CLICK PLC I/O Compatible with SR44 Soft Starters | D-2 |
| DL05/DL06 PLC I/O Compatible with SR44 Soft Starters | D-3 |
| DL105 PLC I/O Compatible with SR44 Soft Starters | D-4 |
| DL205 PLC I/O Compatible with SR44 Soft Starters | D-4 |
| DL305 PLC I/O Compatible with SR44 Soft Starters | D-5 |
| DL405 PLC I/O Compatible with SR44 Soft Starters | D-6 |
| P3000 PLC I/O Compatible with SR44 Soft Starters | D-6 |
| Terminator I/O Compatible with SR44 Soft Starters | D-7 |

Compatibility Overview

- The SR44 control input accepts 12/24 VDC and 115/230 VAC.
- The SR44 relay outputs are rated for 230 VAC @ 3A, and 24 VDC @ 3A.

The inputs and outputs are compatible with PLC I/O as shown in the following tables.

CLICK PLC I/O Compatible with SR44 Soft Starters

| CLICK PLCs Compatible with SR44 Soft Starters | |
|---|--|
| CLICK PLCs | |
| C0-00AR-D | PLC, 8 AC IN / 6 RELAY OUT MICRO PLC REQUIRES 24VDC POWER |
| C0-00DD1-D | PLC, 8 DC IN / 6 SINKING DC OUT MICRO PLC REQUIRES 24VDC POWER |
| C0-00DD2-D | PLC, 8 DC IN / 6 SOURCING DC OUT MICRO PLC REQUIRES 24VDC POWER |
| C0-00DR-D | PLC, 8 DC IN / 6 RELAY OUT MICRO PLC REQUIRES 24VDC POWER |
| C0-02DD1-D | MICRO ANLG PLC, 4 DC IN / 4 SINK OUT, 2-CH IN / 2-CH OUT, REQUIRES 24VDC PWR |
| C0-02DD2-D | MICRO ANLG PLC, 4 DC IN / 4 SOURCE OUT, 2-CH IN / 2-CH OUT, REQUIRES 24VDC PWR |
| C0-02DR-D | MICRO ANLG PLC, 4 DC IN / 4 RELAY OUT, 2-CH IN / 2-CH OUT, REQUIRES 24VDC PWR |
| CLICK AC I/O & Relay Outputs | |
| C0-04TRS | 4PT 6-240VAC/6-27VDC ISOLATED RELAY OUTPUT SPDT 7A PER POINT |
| C0-08TA | 8PT 17-240VAC OUTPUT MODULE 0.3AMPS PER POINT |
| C0-08TR | 8PT 6-240VAC/6-27VDC RELAY OUTPUT 1A 2 ISOLATED COMMONS |
| CLICK DC I/O | |
| C0-08TD1 | 8PT 12-24VDC OUTPUT MODULE SINKING OUTPUTS |
| C0-08TD2 | 8PT 12-24VDC OUTPUT MODULE SOURCING OUTPUTS |
| C0-16TD1 | 16PT 12-24VDC OUTPUT MODULE SINKING OUTPUTS |
| C0-16TD2 | 16PT 12-24VDC OUTPUT MODULE SOURCING OUTPUTS |

DL05/DL06 PLC I/O Compatible with SR44 Soft Starters

| DL05/DL06 PLCs Compatible with SR44 Soft Starters | |
|---|---|
| DL05 PLCs | |
| D0-05AA | 8 AC IN / 6 AC OUT MICRO PLC W/AC P/S |
| D0-05AD | 8 AC IN / 6 DC OUT MICRO PLC W/AC P/S |
| D0-05AR | 8 AC IN / 6 RELAY OUT MICRO PLC W/AC P/S |
| D0-05DD | 8 DC IN / 6 DC OUT MICRO PLC W/AC P/S |
| D0-05DD-D | 8 DC IN / 6 DC OUT MICRO PLC DC POWER SUPPLY |
| D0-05DR | 8 DC IN / 6 RELAY OUT MICRO PLC W/AC P/S |
| D0-05DR-D | 8 DC IN / 6 RELAY OUT MICRO PLC DC POWER SUPPLY |
| DL05/DL06 Discrete I/O | |
| D0-07CDR | COMBO 4 PT 12-24VDC INPUT 3 PT RELAY OUTPUT |
| D0-08CDD1 | COMBO 4 PT 12-24VDC INPUT 4 PT 12-24VDC OUTPUT |
| D0-08TR | 8PT RELAY OUTPUT 6-27VDC OR 6-240VAC |
| D0-10TD1 | 10PT 12-24VDC SINK OUTPUT |
| D0-10TD2 | 10PT 12-24VDC SOURCE OUTPUT |
| D0-16TD1 | 16PT 6-27 VDC SINK OUTPUT |
| D0-16TD2 | 10PT 12-24VDC SOURCE OUTPUT |
| F0-04TRS | 4PT ISO RELAY OUTPUT 5-30VDC OR 5-125VAC |
| DL06 PLCs | |
| D0-06AA | DL06 20 AC IN / 16 AC OUT MICRO PLC W/AC P/S |
| D0-06AR | DL06 20 AC IN / 16 RELAY MICRO PLC W/AC P/S |
| D0-06DA | DL06 20 DC IN / 16 AC OUT MICRO PLC W/AC P/S |
| D0-06DD1 | DL06 20 DC IN / 16 DC OUT MICRO PLC W/AC P/S |
| D0-06DD1-D | DL06 20 DC IN / 16 DC OUT MICRO PLC W/DC P/S |
| D0-06DD2 | DL06 20 DC IN / 16 DC OUT MICRO PLC W/AC P/S |
| D0-06DD2-D | DL06 20 DC IN/16 DC OUT SRC MICRO PLC W/DC P/S |
| D0-06DR | DL06 20 DC IN / 16 RELAY MICRO PLC W/AC P/S |
| D0-06DR-D | DL06 20 DC IN / 16 RELAY MICRO PLC W/DC P/S |

DL105 PLC I/O Compatible with SR44 Soft Starters

| DL105 PLCs Compatible with SR44 Soft Starters | |
|---|--|
| DL105 PLCs | |
| F1-130AA | 10 AC INPUT/8 AC OUTPUT 85-265VAC .5A 24VDC |
| F1-130AD | 10 AC INPUT/8 DC OUTPUT 85-265VAC .5A 24VDC |
| F1-130AR | 10 AC INPUT/8 RELAY OUTPUT |
| F1-130DA | 10 DC INPUT/8 AC OUTPUT 85-265VAC .5A 24VDC |
| F1-130DD | 10 DC INPUT/8 DC OUTPUT 85-265VAC .5A 24VDC |
| F1-130DD-D | 10 DC INPUT/8 DC OUTPUT 10-30VDC P/S |
| F1-130DR | 10 DC INPUT/8 RELAY OUTPUT 85-265VAC .5A 24VDC |
| F1-130DR-D | 10 DC INPUT/8 RELAY OUTPUT 10-30VDC P/S |

DL205 PLC I/O Compatible with SR44 Soft Starters

| DL205 PLCs Compatible with SR44 Soft Starters | |
|---|---|
| DL205 AC I/O | |
| D2-08TA | 8PT 18-220VAC OUTPUT |
| D2-12TA | 12PT 18-110VAC OUTPUT |
| F2-08TA | 8PT 24-140VAC OUTPUT HIGH CURRENT 1.5A/PT |
| DL205 DC I/O | |
| D2-04TD1 | 4PT 12-24VDC SINK OUTPUT |
| D2-08TD1 | 8PT 12-24VDC SINK OUTPUT |
| D2-08TD2 | 8PT 12-24VDC SOURCE OUTPUT |
| D2-16TD1-2 | 16PT 12-24VDC SINK (2TERM) 0.1A/PT 1.6A/MODULE |
| D2-16TD2-2 | 16PT 12-24VDC SOURCE(2TERM) 0.1A/PT 1.6A/MODULE |
| D2-32TD1 | 32PT 24V DC OUTPUT MODULE |
| D2-32TD2 | 32PT 24V DC SOURCING OUTPUT |
| F2-16TD1P | 16 PT 12-24VDC SINKING OUTPUT ELECTRONIC SHORT CIRCUIT PROTECTED |
| F2-16TD2P | 16 PT 12-24VDC SOURCING OUTPUT ELECTRONIC SHORT CIRCUIT PROTECTED |
| DL205 AC/DC I/O (Relay Outputs) | |
| D2-04TRS | 4PT ISOLATED RELAY OUTPUT 5-30VDC OR 5-250VAC |
| D2-08CDR | COMBO 4 PT 24VDC INPUT AND 4 PT RELAY OUTPUT |
| D2-08TR | 8PT RELAY OUTPUT 5-30VDC OR 5-240VAC |
| D2-12TR | 12PT RELAY OUTPUT 5-30VDC OR 5-250VAC |
| F2-08TR | 8PT RELAY OUT 10A/COMMON 12-28VDC / 12-250VAC |
| F2-08TRS | 8PT RELAY OUTPUT 12-28VDC OR 12-250VAC |

DL305 PLC I/O Compatible with SR44 Soft Starters

| DL305 PLCs Compatible with SR44 Soft Starters | |
|---|--|
| DL305 AC I/O | |
| D3-04TAS | 4PT 110/220VAC ISOLATED OUTPUT |
| D3-08TA-1 | 8PT 110/220VAC OUTPUT REMOVABLE TERM BLK |
| D3-08TA-2 | 8PT 110/220VAC OUTPUT NON-REMOVABLE BLOCK |
| D3-16TA-2 | 16PT 15-220VAC OUTPUT |
| F3-08TAS-1 | 8PT 20-125VAC ISOLATED OUTPUT 1.5A/POINT, 8 COMMONS (ISOLATED) |
| F3-16TA-2 | 16PT 20-125VAC OUTPUT MODULE 1.1A |
| DL305 DC I/O | |
| D3-04TD1 | 4PT 5-24VDC SINK OUTPUT |
| D3-08TD1 | 8PT 5-24VDC SINK OUTPUT |
| D3-08TD2 | 8PT 5-24VDC SOURCE OUTPUT |
| D3-16TD1-1 | 16PT 5-24VDC SINK OUTPUT |
| D3-16TD2 | 16PT 5-24VDC SOURCE OUTPUT |
| DL305 AC/DC I/O (Relay Outputs) | |
| D3-08NE3 | 8PT 24VAC/VDC SINK SOURCE INPUT |
| D3-08TR | 8PT 5-30VDC OR 5-220VAC RELAY OUTPUT |
| D3-16NE3 | 16PT 24VAC/VDC SINK SOURCE INPUT |
| D3-16TR | 16PT RELAY 5-30VDC OR 5-220VAC OUTPUT |
| F3-08TRS-1 | 8PT RELAY 12-30VDC OR 12-220VAC OUTPUT |
| F3-08TRS-2 | 8PT RELAY 12-30VDC OR 12-220VAC OUTPUT |
| F3-08TRS-5 | 8PT RELAY 12-30VDC OR 12-220VAC OUTPUT |

DL405 PLC I/O Compatible with SR44 Soft Starters

| DL405 PLCs Compatible with SR44 Soft Starters | |
|---|---|
| DL405 AC I/O | |
| D4-08TA | 8PT 18-220VAC OUTPUT |
| D4-16TA | 16PT 18-220VAC OUTPUT |
| DL405 DC I/O | |
| D4-08TD1 | 8PT 12-24VDC SINK OUTPUT |
| D4-16TD1 | 16PT 5-24VDC SINK OUTPUT |
| D4-16TD2 | 16PT 12-24VDC SOURCE OUTPUT |
| D4-32TD1 | 32PT 5-24VDC SINK OUTPUT |
| D4-32TD1-1 | 32PT 5-15VDC SINK OUTPUT |
| D4-32TD2 | 32PT 5-15VDC SINK OUTPUT |
| D4-64TD1 | 64PT 5-24VDC SINK OUTPUT |
| F4-08TD1S | 8PT 24-150VDC SINK SOURCE ISOLATED OUTPUT |
| DL405 AC/DC I/O (Relay Outputs) | |
| D4-08TR | 8PT RELAY 5-30VDC OR 5-250VAC OUTPUT |
| D4-16TR | 16PT RELAY 5-30VDC OR 5-250VAC OUTPUT |
| F4-08TRS-1 | 8PT RELAY 12-30VDC OR 12-250VAC OUTPUT |
| F4-08TRS-2 | 8PT RELAY 12-30VDC OR 12-250VAC OUTPUT |

P3000 PLC I/O Compatible with SR44 Soft Starters

| P3000 PLCs Compatible with SR44 Soft Starters | |
|---|--|
| P3000 DC I/O | |
| P3-08TD1S | 8PT ISOLATED SINKING OUTPUT, 6-27VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-08TD2S | 8PT ISOLATED SOURCE OUTPUT, 6-27VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-16TD1 | 16PT SINKING OUTPUT, 6-27VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-16TD2 | 16PT SOURCING OUTPUT, 6-27VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-32TD1 | 32PT SINKING OUTPUT, 12-24VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-32TD2 | 32PT SOURCE OUTPUT, 20-30VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-64TD1 | 64PT SINKING OUTPUT, 6-27VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3-64TD2 | 64PT SOURCE OUTPUT, 20-30VDC, PRODUCTIVITY3000 DC OUTPUT MODULE |
| P3000 AC/DC I/O (Relay Outputs) | |
| P3-08TAS | 8PT ISOLATED OUTPUT, 80-288VAC, PRODUCTIVITY3000 AC OUTPUT MODULE |
| P3-08TRS | 8PT ISOLATED RELAY (8 FORM A), PRODUCTIVITY3000 RELAY OUTPUT MODULE |
| P3-08TRS-1 | 8CH, ISOLATED, 5A RELAY, OUTPUT MODULE PRODUCTIVITY 3000 RELAY OUTPUT MODULE |
| P3-16TA | 16PT OUTPUT, 80-288VAC, PRODUCTIVITY3000 AC OUTPUT MODULE |
| P3-16TR | 16PT OUTPUT RELAY (16 FORM A), PRODUCTIVITY3000 RELAY OUTPUT MODULE |

Terminator I/O Compatible with SR44 Soft Starters

| Terminator I/O Compatible with SR44 Soft Starters | |
|---|---|
| Terminator I/O Discrete Output Modules | |
| T1H-08TDS | 8PT 12-24VDC ISOLATED OUTPUT SINK/SOURCE 8 CMNS |
| T1K-08TA | 16PT 17-240VAC OUTPUT |
| T1K-08TAS | 8PT 17-240VAC OUTPUT ISOLATED COMMONS |
| T1K-08TD1 | 8PT 12-24VDC SINK OUTPUT |
| T1K-08TD2-1 | 16PT-12-24VDC SOURCE OUTPUT |
| T1K-08TR | 8PT RELAY OUTPUT 5-30VDC OR 5-240VAC |
| T1K-08TRS | 8PT ISO RELAY OUTPUT 5-30VDC OR 5-240VAC |
| T1K-16TA | 16PT 17-240VAC OUTPUT |
| T1K-16TD1 | 16PT 12-24VDC SINK OUTPUT |
| T1K-16TD2-1 | 16PT-12-24VDC SOURCE OUTPUT |
| T1K-16TR | 16PT RELAY OUTPUT 5-30VDC OR 5-240VAC |

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