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Document number	MCW-SS-003
Revision	0.0
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Product	Fairford Synergy Softstarts

Title	Fairford Synergy Basic connection diagrams
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Summary	This document gives various basic connection diagrams for the Synergy softstart.
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NOTE: Please read in conjunction with the Fairford Synergy User Guide documentation.

This document gives basic connection diagrams for the Fairford Synergy soft starters.

A 24VDC power supply can be used to supply the Synergy control electronics. If a supply neutral is available, a 230VAC input to 24VDC power supply can be used. If a neutral is not available, a 400VAC input to 24VDC power supply must be used.

240VAC to 24VDC Power supply – DRAN60-24 (2.5A output)

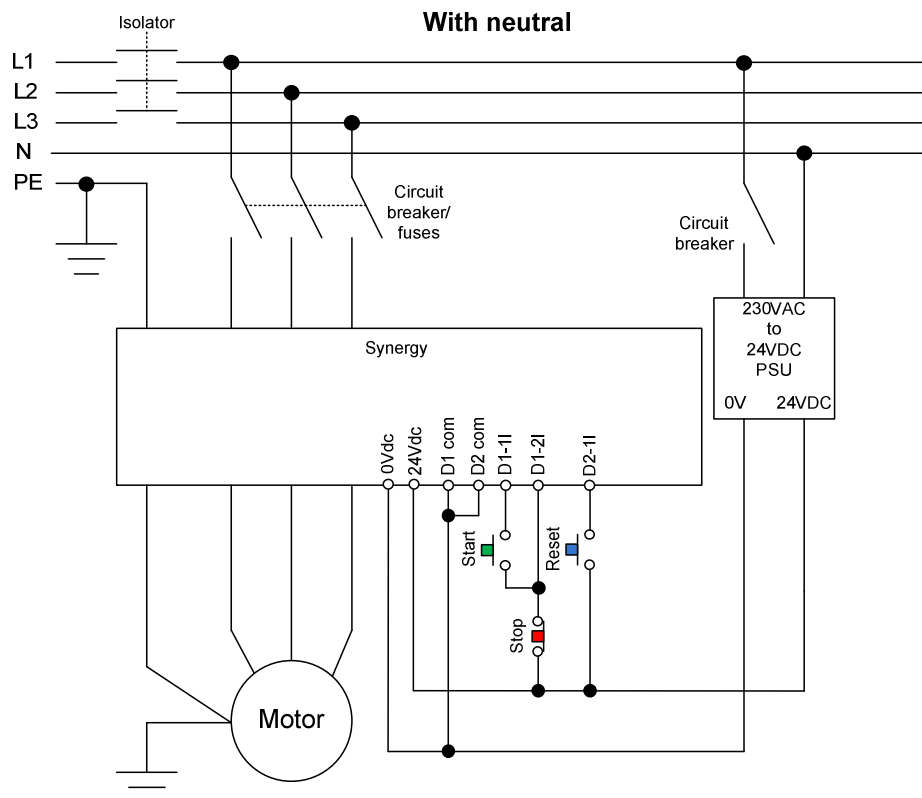
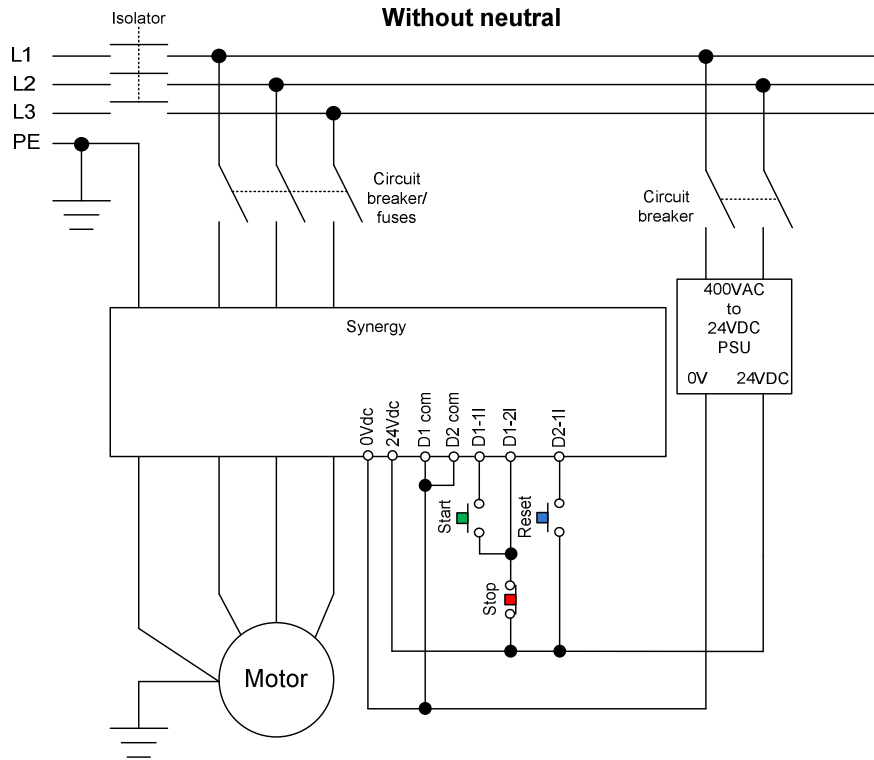
400VAC to 24VDC Power supply – WRA120-24 (5A output)

The Synergy control can also be supplied by 110VAC or 230VAC.

Push button control of the Synergy without input contactor control

Control method = 3 wire

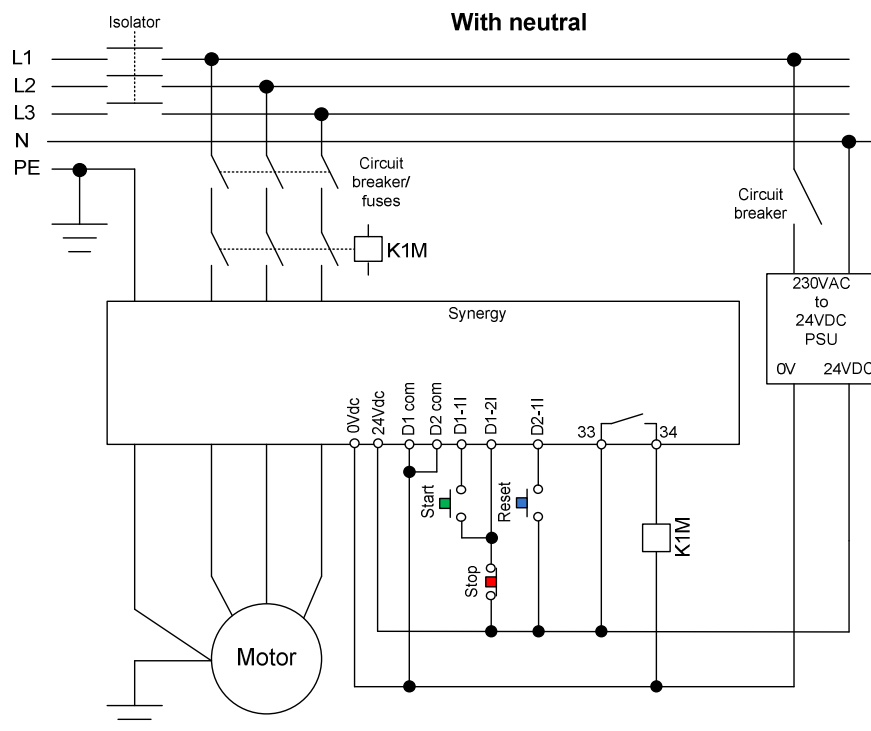
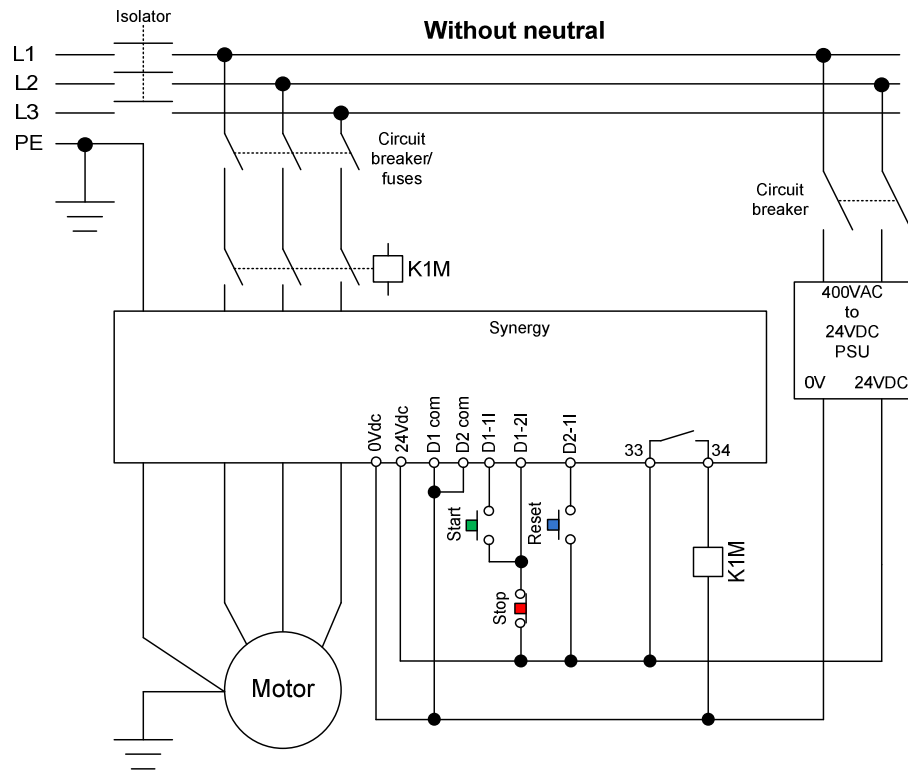
Control & Digital input voltage = 24VDC (select voltage via parameter)



Push button control of the Synergy with input contactor control

Control method = 3 wire

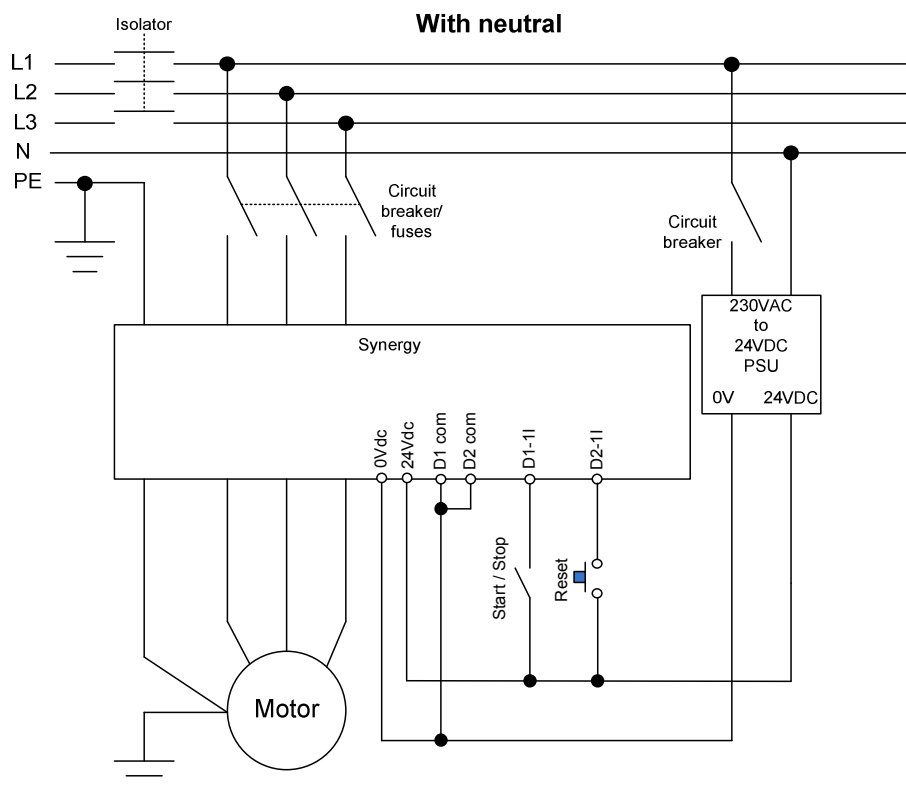
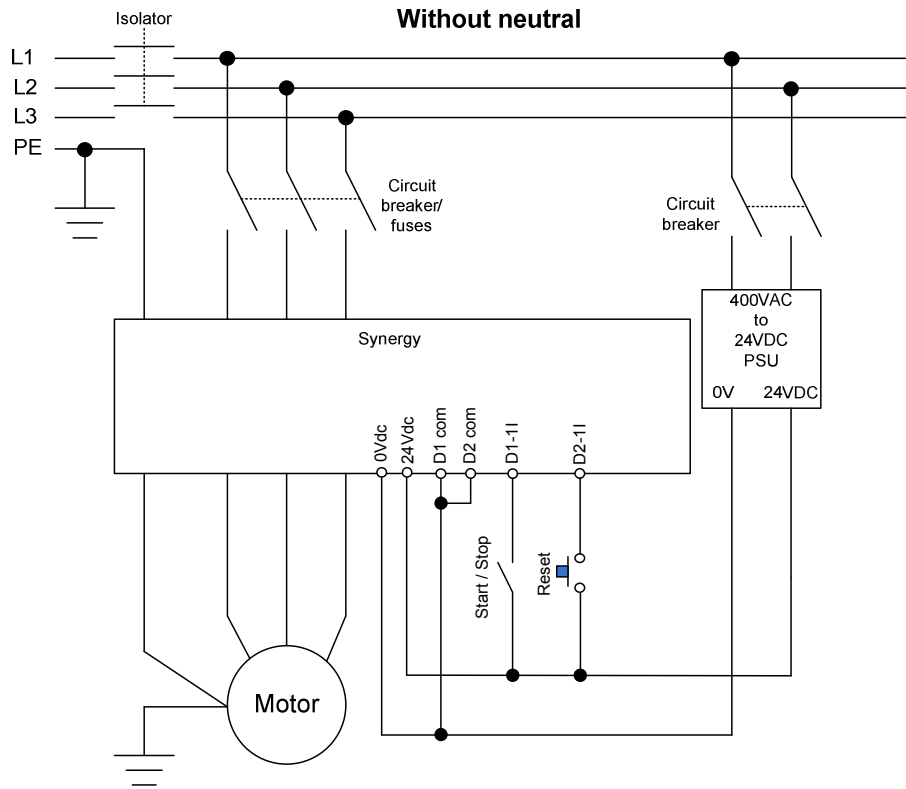
Control & Digital input voltage = 24VDC (select voltage via parameter)



Switch control of the Synergy without input contactor control

Control method = User Programmable

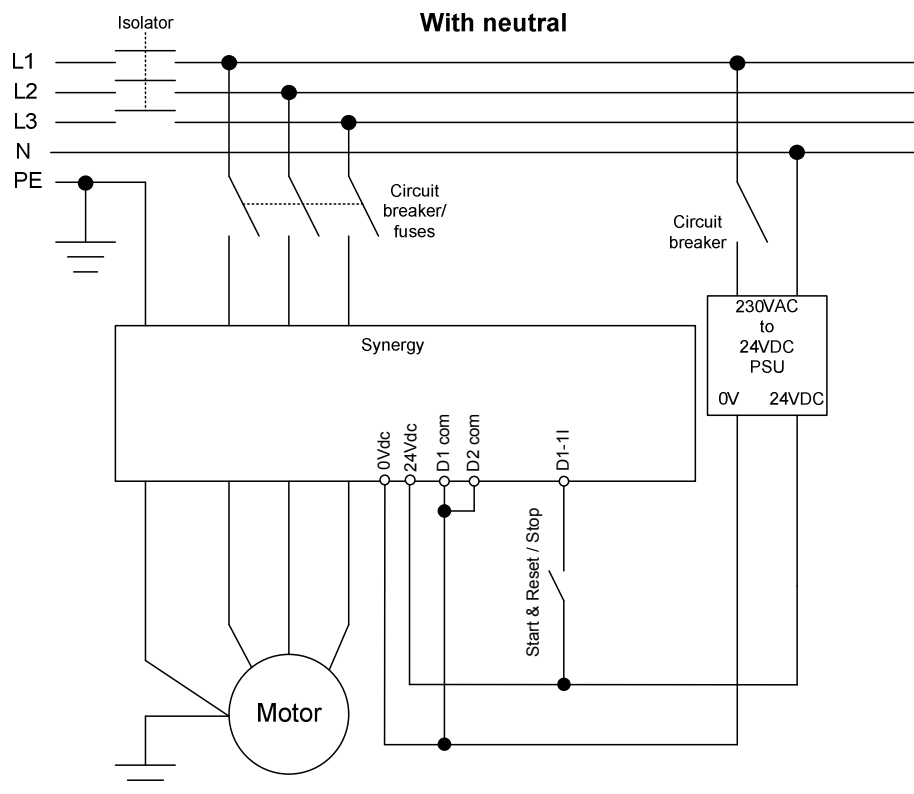
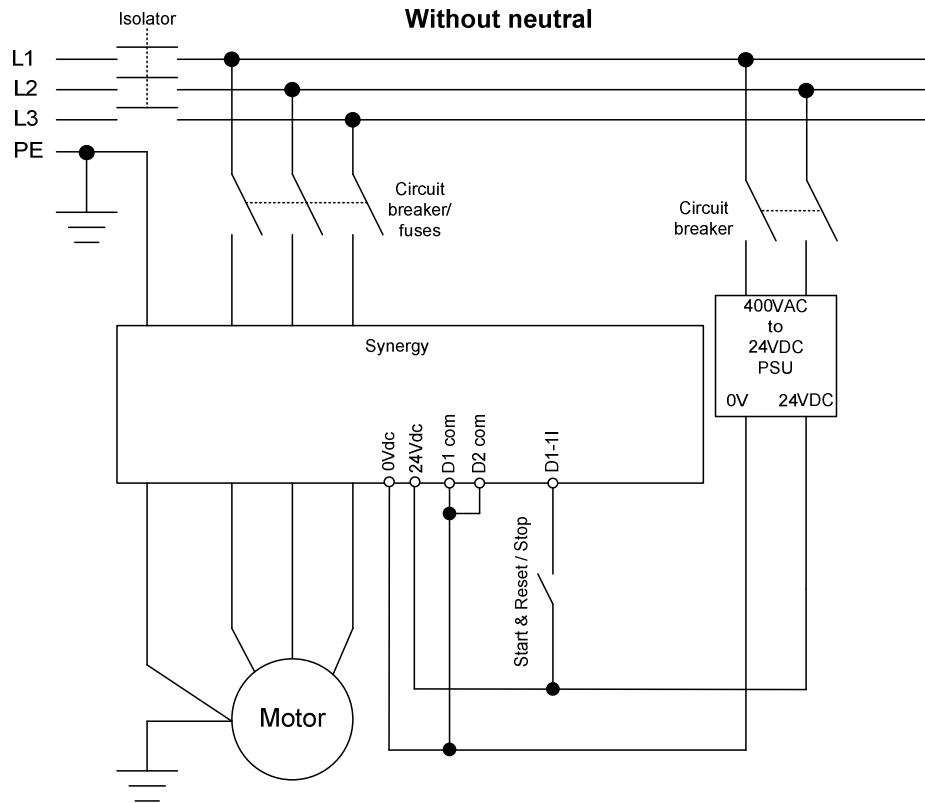
Control & Digital input voltage = 24VDC (select voltage via parameter)



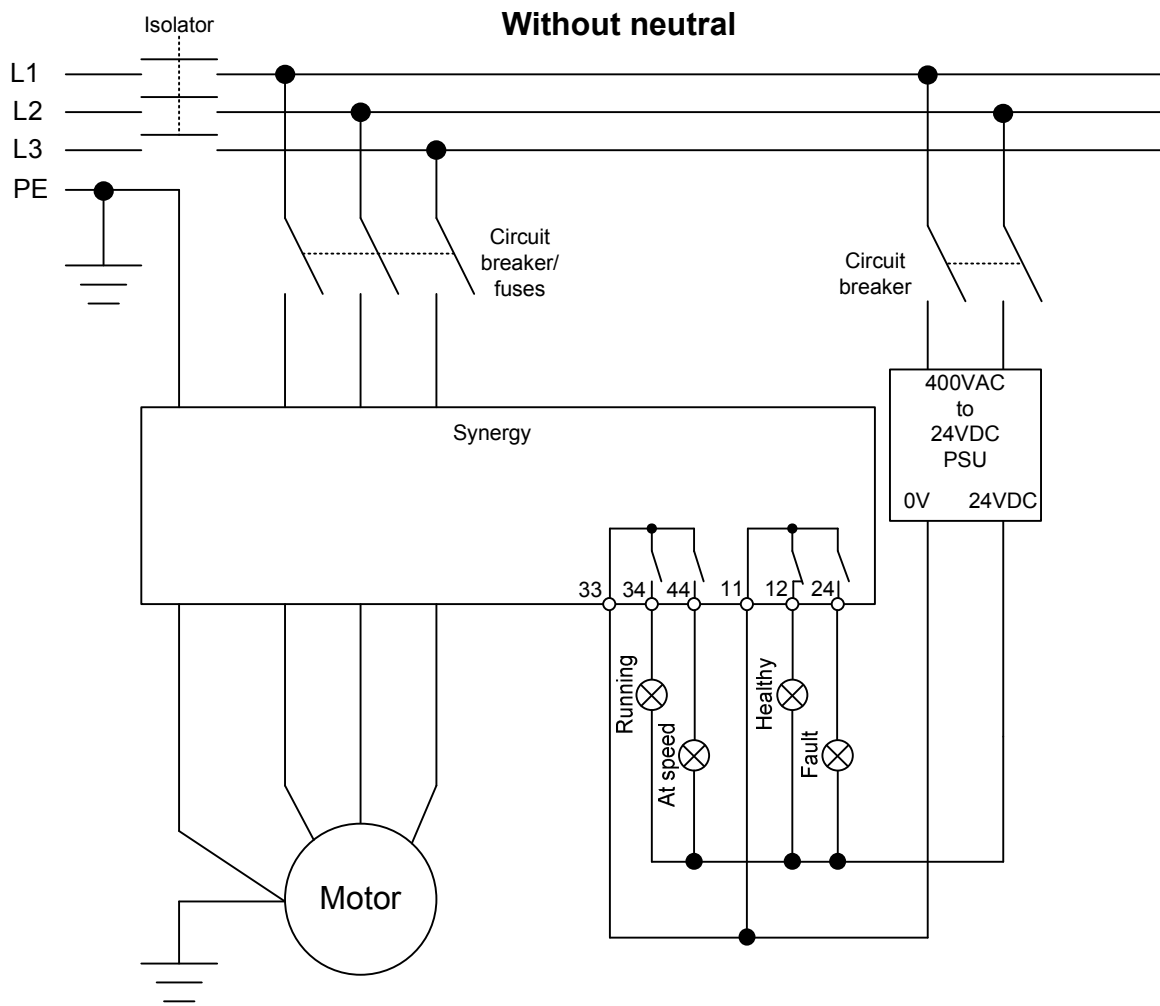
Switch control of the Synergy without input contactor control

Control method = Two Wire

Control & Digital input voltage = 24VDC (select voltage via parameter)



Default status relay connections & settings



Push button control of the Synergy without input contactor control

Control method = 3 wire

Control & Digital input voltage = 240VAC or 110VAC (select voltage via parameter)

