



Pressure Switches

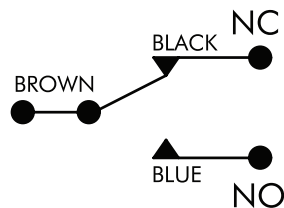
SYNTESI®

Metal Work Syntesi pressure switches are a simple modular means to detect low or high pressure states in the system.

Features

- Adjustable setpoint knob
- Fluid - Compressed air or other inert gases
- N.O./N.C. complementary outputs
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- 7.5 to 145 psi set point
- 2 meter, 3-wire cable
- Max. input pressure 217 psi (188 psi for size 2)
- SPDT 5A @ 250VAC / 5A @ 30VDC resistive

Wiring



See www.AutomationDirect.com for a wide variety of fitting options



Part No.
5U23S103



Part No.
5U11S101

Metal Work Syntesi Pressure Switches

Part No.	Price	Weight (lbs)	Size	Inlet(s) (NPT)	Outlet(s) (NPT)	Drawing Link	Manufacturer Specs
5U11S101	\$49.50	0.60	1	1/8in female NPT	1/8in female NPT	PDF	PDF
5U12S102	\$49.50	0.60		1/4in female NPT	1/4in female NPT	PDF	
5U13S103	\$49.50	0.60		3/8in female NPT	3/8in female NPT	PDF	
5U23S103	\$63.00	1.20	2			PDF	
5U24S104	\$63.00	1.15		1/2in female NPT	1/2in female NPT	PDF	
5U25S105	\$73.00	1.20		3/4in female NPT	3/4in female NPT	PDF	
5U26S106	\$73.00	1.15		1in female NPT	1in female NPT	PDF	

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



Accessories









Metal Work Syntesi Accessories						
Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	88257E1	\$3.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 1 regulators and filter-regulators.	PDF	PDF	0.10
	88257E2	\$4.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 2 regulators and filter-regulators.	PDF	PDF	0.10
	88257E3	\$11.25	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.15
	88257E4	\$13.00	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.30
	9200718X	\$15.50	Metal Work DIN rail adapter, anodized aluminum. Package of 2. For use with Syntesi Size 1 and 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	88257E5	\$2.25	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.05
	88257E6	\$5.75	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	88257E7	\$3.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.05
	88257E8	\$5.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	5U11P201	\$32.00	Metal Work air distribution block, 1/8in female NPT inlet(s), (1) 1/4in female NPT and (2) 1/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U12P202	\$32.00	Metal Work air distribution block, 1/4in female NPT inlet(s), (1) 1/8in female NPT and (2) 1/4in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U13P203	\$32.00	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 1/8in female NPT, (1) 1/4in female NPT and (1) 3/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U23P203	\$52.00	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 1/4in female NPT and (2) 3/8in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	1.00
	5U24P204	\$52.00	Metal Work air distribution block, 1/2in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 1/2in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.95
	5U25P205	\$59.00	Metal Work air distribution block, 3/4in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 3/4in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	1.00
	5U26P206	\$59.00	Metal Work air distribution block, 1in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 1in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.95
	5U10P100	\$7.25	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 3/8in female NPT and (2) 1/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.15
	5U20P100	\$19.50	Metal Work air distribution block, 1/2in female NPT inlet(s), (1) 1/2in female NPT and (2) 3/8in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.25



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Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	<u>88257E9</u>	\$2.25	Metal Work hex bushing, G1/4 male BSPP to G1/8 female BSPP, brass. For use with Syntesi Size 2 regulators and filter-regulators.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F1</u>	\$1.75	Metal Work port adapter, 1/8in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F2</u>	\$1.75	Metal Work port adapter, 1/4in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F3</u>	\$1.75	Metal Work port adapter, 3/8in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F4</u>	\$5.00	Metal Work port adapter, 3/8in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257F5</u>	\$5.00	Metal Work port adapter, 1/2in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F6</u>	\$8.50	Metal Work port adapter, 3/4in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F7</u>	\$8.50	Metal Work port adapter, 1in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F8</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm diameter, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257F9</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm diameter, 0 to 60 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257G1</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 50mm diameter, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257G2</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 50mm diameter, 0 to 60 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>9700110</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm x 40mm, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G3</u>	\$11.75	Metal Work pneumatic mechanical pressure gauge, 63mm diameter, 0 to 180 psi, G1/4 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.20
	<u>9210101</u>	\$26.50	Metal Work automatic drain, for use with Syntesi Size 1 air prep components. Filter bowl included.	N/A	<u>PDF</u>	0.15
	<u>9210106</u>	\$32.50	Metal Work automatic drain, for use with Syntesi Size 2 air prep components. Filter bowl included.	N/A	<u>PDF</u>	0.25



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Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	9210150	\$4.25	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210151	\$4.25	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210152	\$4.25	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210155	\$5.50	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210156	\$5.50	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210157	\$5.50	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210160	\$45.00	Metal Work coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210165	\$77.00	Metal Work coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with Syntesi Size 2 filters.	N/A	PDF	0.10
	9210190	\$2.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210191	\$2.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210192	\$2.00	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210193	\$2.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210195	\$4.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.05
	9210196	\$4.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.05
	9210197	\$2.75	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.10
	9210198	\$3.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.15



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Metal Work Syntesi Accessories						
Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	<u>88257G4</u>	\$11.75	Metal Work solenoid coil, 12 VDC, 2W, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G5</u>	\$11.75	Metal Work solenoid coil, 24 VDC, 2W, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G6</u>	\$11.75	Metal Work solenoid coil, 24 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G7</u>	\$11.75	Metal Work solenoid coil, 110 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G8</u>	\$11.75	Metal Work solenoid coil, 240 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>TAP-ACC21</u>	\$11.00	NITRA padlock, replacement, brass. For use with TAP unit.	N/A	N/A	0.5



Air Prep Components

SYNTEsi

Metal Work Syntesi is the result of over 30 years of air prep manufacturing. Their goal is to provide high performance and low weight in a compact, affordable package. Syntesi has many standard features unavailable with other brands.

Features

- Lightweight yet durable bodies of technopolymer and nickel plated brass
- Additional outlet ports front and back of all modules
- Available in two body sizes
- Ports sizes from 1/8" NPT to 1" NPT

