

A724 addSWITCH Series 4

A724 addSWITCH is an integrated device that not only lets you open and close up to 4 latching solenoids, but at the same time reads up to 4 water meters or irrigation gauges and 1 manometer sensor. Radio commands transmit instantly the ON-time and the run-time - no OFF commands are required! The A724 addSWITCH can be seamlessly integrated into existing Adcon A733 UHF radio networks. It is compatible to both the A840 and the A850 Telemetry Gateway. Our addTIMER software is ideally suited to make best use of the addSWITCH's features.

Applications

- Irrigation Automation and Monitoring
- Extremely compact, extremely rugged, extremely low-power consumption



Technical data

Dimensions	119 x 79 x 60 mm	Max. solenoid runtime	up to 18 hours with a single radio command
Weight	650gr.	Operating time (with-out charging battery)	Up to 14 days; depends on slot time, transmission rate, and sensor types
Ingress Protection class	IP-66	Safety	Auto-Stop of all irrigation valves if battery voltage drops below threshold
Temperature range	-30°C to +70°C	Internal memory	16KB for up to 10.000 values
Case	powder-coated aluminum	Frequency range	432 - 470 MHz
Connectors (all connectors IP66 if properly mated or capped)	1x Switchcraft 6-pin M12 to solenoids 1x Binder M9 7-pin to sensors 1x Binder M9 5-pin to solar cell / power supply	Rx Sensitivity	-110 dBm
Power supply	6,2 V NiMH battery 2.100 mAh + solar cell / mains adapter	Tx Output Power	10 mW
Solenoids	4x latching solenoids, programmable from 5,5 - 15VDC	Transmission distance	Up to 1km
Pulse counters	4x	Antenna	omni-directional whip, ¼λ, 2dBi
Analog sensors	1x 0 - 1/2,5V	Type approvals	R&TTE, FCC Part 15, ACMA Australia, Industry Canada, etc.
Sampling interval	user specific (from 60sec. to 12h)	Ordering information:	
Measuring method	synchronous	100.724.004	A724 addSWITCH Series 4
Resolution	12-Bit @ 0-2,5 V / 30Hz pulse counter	200.733.520	Solar Panel, 220mA
		800.000.285	Spare battery, 2100mAh, NiMh