

M-sensors

Switching sensors

“M-sensors” are electromechanical negative pressure monitors that upgrade the tensiometer base to a tensiostat and give it switching capabilities. These negative pressure monitors are membrane switches typically used for low voltage (e.g. 24 V) in a defined, limited switching range. They allow infinitely variable adjustment of the switching point, but with no scaling.

For automatic irrigation, M-sensors are usually connected to an automatic irrigation machine (sensor switches on, machine switches off). Direct switching operations through a 24 V transformer (depending on the solenoid valve voltage) are also possible; here, the tensiostat switches on and off. The necessary irrigation time must be observed irrespective of the suction tension. The M-sensors must be carefully protected when used in humid areas outdoors (also refer to the new protective housing). Otherwise, their service life could be reduced.

The M-sensor is a mechanical, potential-free membrane switch (passive) for NO (normally open) or NC (normally closed) switching. It features infinitely variable adjustment without scaling.

It is delivered with protective housing and cable gland to prevent corrosion when used outdoors.

TECHNICAL SPECIFICATIONS:	
	M-sensors
Max. voltage:	24 V
Switching differential:	approx. 20 % of the final value
Tensiometer connection:	Screw cap GL14
Electrical connections:	Flat plug 6.3 mm
Protection class with protective cap:	IP44

501510xx



	Type M-S10	Type M-S50	Type M-S100
Adjustment range	10 to 50 hPa	50 to 120 hPa	100 to 300 hPa
Article number	50151010	50151050	501510100

