

FM Series

FM5, FM6, FM8

A challenge with floodlighting masts is managing the electric cable so it can safely extend the full length of the mast and store conveniently when retracted. The FM Series solves both of these issues.

With an efficient and practical design, a coiled cable enters the mast through a specialised gland at the base and runs neatly inside, extending to the top where it connects to a junction box for lighting. The cable's coiled memory allows it to extend and retract smoothly along the mast, ensuring reliable and hassle-free operation.

There are three standard models in this series, all with a base diameter of 115mm. Each has an inner cable with four cores of 2.5mm², and are complete with a rainshield, rotation handles, pressure relief valve and mast extension warning switch.

As these masts are usually used in situations of short duration, they do not have locking collars or top guys as standard, but are available if required.



Mast	Height Extended (m)	Height Retracted (m)	Number of Tubes	Top Tube Diameter (mm)	Vertical Head Load (kgs)	Maximum Windspeed (kph)	With Top Guys (kph)	Mast Weight (kgs)
FM5	4.7	1.63	5	63	45	170	206	25
FM6	6.6	2.02	5	63	36	130	130	29
FM8	8	2.31	5	63	28	115	115	33



Mast Mounting Options and Accessories



Mast Cover

For weather protection when mast is not in use. Made of strong waterproof material. Available as an end cover or a full mast cover. Every mast in our range has an available cover.



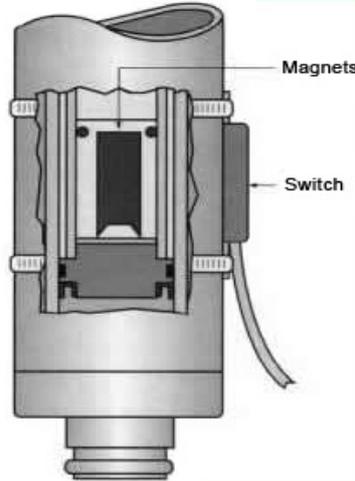
Vehicle Fitment

For mounting masts through a vehicle or shelter roof, the assembly includes an upper and lower aluminium bearing. The upper features a flange with a Teflon ring, a tapping plate, and a weatherproof shield. The lower base has a Teflon disc for smooth mast rotation and a thumb screw for locking.



Sigalarm

High voltage proximity detector designed to alert mast operators to the danger of contact with a live power line. Available in wireless or hard wired variants. We recommend the use of a Sigalarm with all of our masts.



Magnetic Safety Switch MAG/50, MAG/63, MAG/76

This switch provides an audible or visual warning when the telescopic mast is not fully retracted. In vehicles, it can interrupt the ignition circuit via a relay to prevent movement. The switch, mounted on the mast's outer tube, is triggered by magnets at the bottom of the inner tube. These magnets are housed in aluminium, easily inserted into the mast's top section without dismantling, and secured by a neoprene O-ring.



Mounting Brackets

For mounting masts to the vertical surface of a vehicle or building, the kit comprises two brackets. The aluminium top bracket has one half detachable to allow for removal of the mast without disturbing the bracket fixings. It incorporates Teflon bearing rings to protect the mast and a thumb screw for locking it in any desired azimuth position. (Hole centres NH mast 150mm for M10 bolts).



Rotation Handles

These handles assist the easy rotation of masts and fold to the vertical position when not in use. The aluminium collar is in two halves and can be fitted after mast installation.



NC1 12V / 24V / 230VAC Compressor

NC1

Portable and most suited to field applications, this compressor is the smallest and simplest in the range, offering an extension rate of approx. 7.2m per minute. Other variants and a remote control are available.



Foot Pump

General use twin cylinder foot pump fitted with pressure gauge, hose and special mast connector.