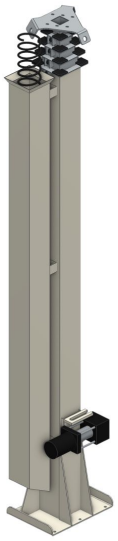
APAC Infrastructure Pty Ltd
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Electric Winch-Up Retractable Mast - 2.74m Retracted, 11.3m Extended, 100kg Payload

AP-RM-CWU11E-5S-1C



Key Features

- 2 tonne (4500 lb) rated 12/24 V Electric Winch
- 100 kg Payload
- 11.3 m Extended, 2.74 m Retracted
- Payload Rotator option
- Compatible with RM-Series accessories

Overview

This is a traditional cable-driven winch-up mast that comprises 4x 2.5 metre hot-dip galvanised sections that telescope outward from a powdercoated steel base section. The extended height is 11.3 metres, which packs down to 2.74 metres. The mast is rated for a 100 kg payload in up to 120 km/h winds.

A full-length spiral cable runs to the top of the mast, containing 1x PTL-240 Ultra-Flex Coaxial Cable, 1x Cat-6 Ethernet Cable, and DC power cable.

The mast is available with a DC powered Payload Rotator fitted to the top of the mast, which allows equipment to be panned a full 360°. The rotator is rated for a 50 kg payload.

The mast is lowered and raised by a 2 tonne (4500 lb) 12/24 Vdc Electric Winch, which is operated by a hand controller.

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Specification

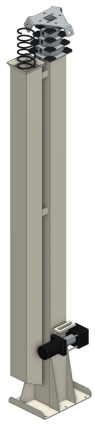
Parameter	AP-RM-CWU11E-5S-1C
Physical Specification	
Subtype	**Telescopic**
System	**RM**
No. Sections	**5**
Extended Height	**11.3 m**
Retracted Height	**2.74 m**
Max. Payload	**100 kg**
Lifting Mechanism	**Winch-Up**
Lifting Time	**< 2 min**
Locking	**Non-Locking**
Materials	**Steel**
Material Finish	**Hot-Dip Galvanised** **Powdercoated**
Wind Survival	**33.33 m/s**
Dimensions	**383 × 508 × 2,744 mm**
Weight	**150 kg**
Interfaces	
Installation / Attachment	Quantity: 1 — Mounting: RM-Series Mast Base Bolt Pattern — Notes: Six Ø13 holes in the base plate for M12 bolts
Available Interfaces	Quantity: 1 — Interfaces: RM-Series Mast Top Bolt Pattern — Notes: Attachment of mast-specific headframes and devices

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Subcomponents

Quantity	Item	Materials	Material Finish
1	2.5 m Top Section, 60x60 mm	Steel	Hot-Dip Galvanised
1	2.5 m Second Section, 80x80 mm	Steel	Hot-Dip Galvanised
1	2.5 m Third Section, 100x100 mm	Steel	Hot-Dip Galvanised
1	2.5 m Fourth Section, 120x120 mm	Steel	Hot-Dip Galvanised
1	2.5 m Base Section, 140x140 mm	Steel	Powdercoated
1	Full-Length Cable Spiral, 1x PTL-240, 1x Cat-6 Ethernet, 1x DC Power Cable 6mm2		
1	4500 lb 12/24 Vdc Electric Winch, with Hand Controller		

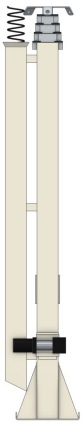
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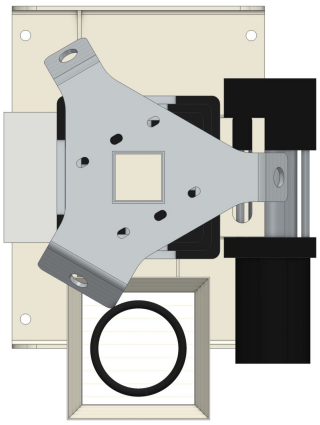
Isometric



Front



Side



Top

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Variants

	Electric Winch-Up Retractable Mast - 2.74m Retracted, 11.3m Extended, 100kg Payload AP-RM-CWU11E-5S-1C · this datasheet
	Electric Winch-Up Retractable Mast with Payload Rotator - 2.74m Retracted, 11.3m Extended, 50kg Payload AP-RM-CWU11E-5S-1CR

Australian designed and manufactured infrastructure for public safety and first response, built on the Sunshine Coast, Queensland. Need a variation on this design? Our team can engineer it to suit your site.

Contact us

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Web apacinfrastructure.com.au
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Specifications, dimensions and weights are nominal, correct at the date of issue and subject to change without notice. Images are for illustration and may show optional equipment. Confirm suitability for your site, including wind region and mounting surface, with APAC before ordering, and install in accordance with APAC's instructions and the relevant Australian Standards.

Issued 26 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/retractable-masts/electric-winch-retractable-mast-274m-retracted-113m-extended?v=767

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