

# SERVICE BULLETIN

Rev:  **TRIME**

Ref:TS221412

Title:  
Operation of vertical mast  
systems during very cold  
weather.

Relevant To:  
All Vertical Mast Tower Lights  
From:

Trime UK Ltd

**Model Type information applies to:** Vertical Tower Lights

**Issue identified:** Possibility of Extreme weather conditions causing vertical mast systems to freeze in the extended position.

**Modification required:** None

**Procedure:**

In normal circumstances the operation of the vertical mast is quite simple, to raise the mast, the UP button is pressed, and the Hydraulic Ram raises one section of the mast, the remaining sections are raised by stainless steel ropes. Once the mast is at the required height the UP button is released, and the mast stops and remains at that height.

To lower the mast the DOWN button is pressed and the Hydraulic pressure in the Ram is released, the weight of the mast then pushes the Hydraulic ram back into the Hydraulic cylinder and the mast lowers. It is very important that the unit is level when it is set up as this allows the vertical mast sections to slide up and down smoothly.

In very extreme cold weather, it is possible for freezing rain or snow to coat the mast, ropes and rollers preventing them sliding easily within each other, possibly causing the mast to stick or remain up.

If you are operating a mast to come down and you are pressing the mast down button but the mast itself does not drop, especially during extreme weather conditions, Trime UK do not recommend releasing all the pressure within the Hydraulic system, leaving the mast in the air. What we do recommend is that the mast is checked to ensure it is vertical, the UP button should then be pressed to raise the mast and increase the Hydraulic pressure, and then the DOWN button should be pressed while a second operator is shaking the mast from side to side using the mast rotation handles, this should start the mast lowering as normal.

At no time would Trime UK suggest that anyone should climb onto the lighting tower canopy itself and we would NEVER recommend touching the raised mast sections or the stainless steel ropes.

For further advice please contact Trime UK directly.

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