MERLIN Pipeline Locate User Guide

1. INTRODUCTION

In order to use the Pipeline Locate feature, you must have a **MERLIN Excel Transformer Rectifier Monitor** and a **MERLIN Interrupter**.

2. START A PIPELINE LOCATE SIGNAL

To start a Pipeline Locate signal, send a **CMD:LOCATE FREQ:XX*** command to the **MERLIN Excel Transformer Rectifier Monitor** (*where **XX** is the exact locate frequency required, in Hz).

Enter a value between 30Hz - 2000Hz. We recommend a frequency of between 100Hz and 1024Hz for optimum locate performance on a pipeline.



Example

Message Sent **CMD:LOCATE FREQ:640**

Response **CPM:041 UNIT:10000001 LOCATE OK, FREQ:640Hz (HIGH POWER) UNTIL 12:17:01 MON 1 APR 2020 (TIME ZONE GMT+1:00)**

Note

Whilst Pipeline Locate is active, the blue LED on the MERLIN Excel Transformer Rectifier Monitor will illuminate.

3. SETTING THE DURATION

The default locate signal duration is 4 hours. To specify a duration append HOURS:XX (where XX is 1 to 24) to the locate command.



Example

Message Sent **CMD:LOCATE FREQ:512 HOURS:12**

Response **CPM:041 UNIT:10000001 LOCATE OK, FREQ:512Hz (HIGH POWER) UNTIL 21:17:01 MON 1 APR 2020 (TIME ZONE GMT+1:00)**

Note

If no hours are specified, the unit will set the duration to its default of 4 hours. Once the duration has expired, CP is automatically restored.

4. ENDING A PIPELINE LOCATE SIGNAL

To end a Pipeline Locate output signal that has started, send a **CMD:LOCATE END** command to the unit.



Example

Message Sent **CMD:LOCATE END**

Response **CPM:041 UNIT:10000001 OK, CP IS ON, INTERRUPTING IS OFF**