# MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.

Series:       BEYELink

Version:

Function:     Plant Supervisor

# BEYELink – SYSTEM FOR SYSTEM SUPERVISION

## General description
According to the specifications in this document, the equipment manufacturer must provide a supervisory system for the management and control of the refrigeration units and groups of air conditioning units that make up a system.

BEYELink provides all the functions described below:
- Display of flow and/or return temperatures of hot and cold primary circuits
- Accessibility to the system from an integrated web server that makes the PRSM visible from any computer with a web browser, either locally or remotely.
- Graphical interface based on HTML5 "responsive" technologies to allow viewing from any smartphone or tablet
- Direct accessibility via proximity Wi-Fi from any smartphone and tablet device
- Availability of a dedicated and independent interface port for connecting the system to a LAN network
- Display of alarm presence via dedicated symbols
- Access to the PRSM on two (2) different levels:
  - "User", reading and changing system operating parameters
  - "Service", changing system settings

## Software architecture and operating requirements
BEYELink is based on software dedicated to supervising the units that make up a plant. Access to the BEYELink system must be allowed from any device and PC without installing third-party proprietary software.

## System integration and compatibility
BEYELink operates stand-alone or can be monitored via web panels or management systems provided by third parties.
BEYELink supports all the following communication modes:
- Internet LAN
- Wi-Fi Access Point
- VPN

## System specifications and PC software requirements
BEYELink runs on a web-based platform with no licences. It allows local and remote accessibility from any PC with a web browser connected to the web without the need to install any additional third-party software and without the payment of user licences.
The minimum system requirements for the PC are listed below:
- Operating system MS Windows® XP, MS Windows® Vista, MS Windows® 7, MS Windows® 8, MS Windows® 10
- Web browser (Mozilla Firefox®, Microsoft® Edge, Safari®, Google Chrome®)

## Electrical control panel
BEYELink is a control panel with onboard electronic controllers dedicated to acquiring the main operational variables.
Electrical control panel constructed in compliance with EN60204-1 and EC204-1, complete with:
- Spring-loaded terminal blocks for control circuit lines
- Magnetothermal protection
- ETH Switch
- Power supply 230Vac/50Hz/1ph+N+PE
- Power consumption < 40W / 2A

## Factory set-up and testing
Checks carried out throughout the production process according to ISO9001:2015 procedures.
BEYELink is pre-assembled at the factory and contains all hardware devices related to the control and interfacing cards with field devices for detecting plant operating variables
BEYELink is pre-programmed and factory-configured by associating all logical inputs and outputs with physical ones to prevent programming errors in the field.

**Certifications**

- CE - Declaration of Conformity for the European Union
- Low Voltage Directive 2014/35/EC
- Electromagnetic Compatibility Directive 2014/30/EC
- ISO 9001:2015 - Company Certification of Quality Management System
- ISO 14001:2015 - Company Certification of Environmental Management System
- OHSAS18001:2007 - Occupational Health and Safety Company Certification
- IP66 international protection rating, applicable with the panel intact with no modifications (EN 62208/02:2012; EN 60 529; EN 61439-1)
- IK10 mechanical protection rating, applicable with the panel intact without modification (N 62208/02:2012; EN 62 262; EN 61439-1)
- Operating temperature: -25/+60°C