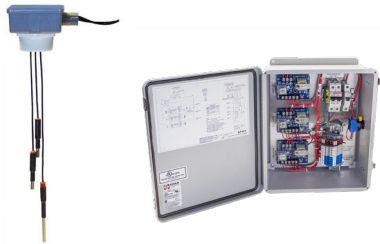


## Enhanced Monitoring and Control Upgrades Options – Reduce risk of expensive repairs and downtime

### Water Make-up and Alarms

Upgrade Mechanical Float Valve to electronic Solenoid valve and with Marley Controller



#### Marley LLC Hanging Probe Conductivity + Panel

- HCO HA MU LA LCO set point controller and status output
- LLC Hanging Probes touch water
- Easy probe height adjustment
- Level points for BMS



#### Ultrasonic with or without Control Panel

- Continuous level output for BMS
- Sensor is above water
- Sealed housing and cable connection

### Vibration Monitoring

Upgrade to new style Mechanical or "Smart" solid state vibration switch to monitor tower vibration



#### IMI 685A Mechanical

- Single set point trip
- No readout
- Status contact for BMS



#### 685B Switch + transmitter (Smart)

- 4-20mA readout to BMS
- Independent set points for alarm and trip
- Contacts for trip and for alarm
- Sensor may be installed internally or remote

### Basin Heater

Upgrade to Enhanced Cold Water Basin Heater to connect to BMS



#### Basic Cold Water Basin Heater

- Least expensive
- No status output
- Probe wire limited to 99'



#### Advanced Cold Water Basin Heater (ABH)

- Two-line display – you can see set point and water temperature
- 4-20mA temperature output option for BMS
- Heater element test circuit with indicating lights
- RTD is industrial grade type PT100
- Status outputs for BMS
- RTD lead 300 feet possible (voltage drop compensation circuit)

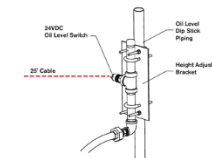
### Gearreducer Oil Level Switch

Upgrade to Ultrasonic oil level switch to monitor and alarm a low oil condition in your cooling tower gearbox



#### Marley OLS Ultrasonic

- Set point alarming switch with or without AC to DC Interface Box
- Easy setup – no electronic calibration
- Sealed sensor and cable connection
- Ultrasonic technology

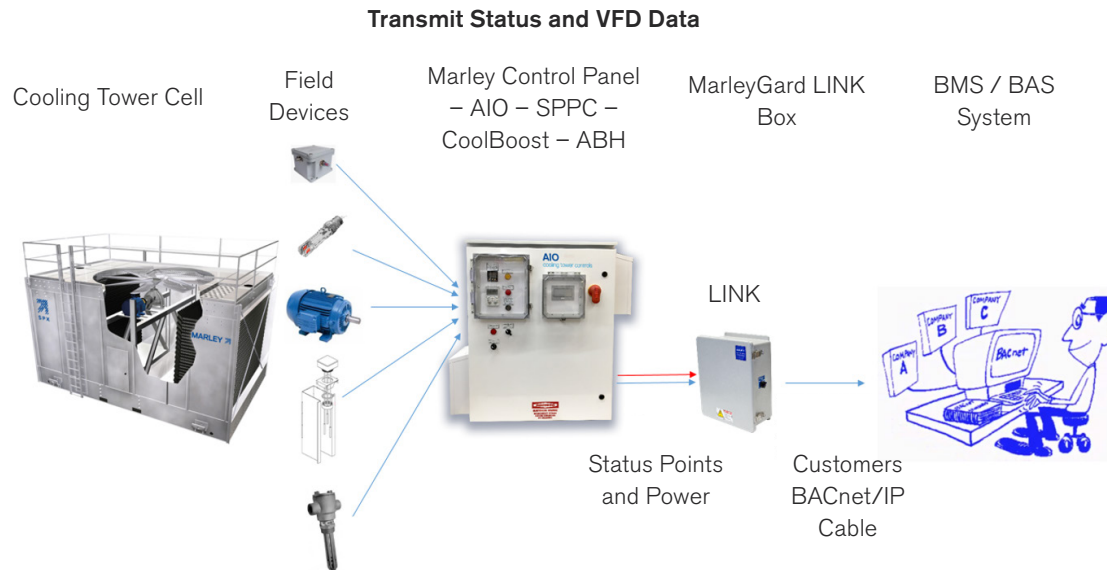


Monitoring Upgrade Options to Ease Maintenance

MarleyGard LINK™

Marley AIO (All-In-One) Control Panel

- Communications interface device allowing connection of cooling tower status to client's BMS using BACnet/IP local area networks



**Benefits**

- Protect against unscheduled shutdowns
- BACnet/IP compatible
- Enhances tower operation with component sensor upgrades
- Pre-programmed with cooling tower status points
- Pre-engineered design solution versus custom on-site fabrication
- Suitable for outdoor installation

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AMU-CTRL-21 | ISSUED 01/2021  
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