

# A New Level of Moisture Protection



## Hermetic Moisture Indicator

From Emerson Climate Technologies' Flow Controls division (formerly Alco Controls)



# Earlier System Warnings Better System Protection

## The Emerson Climate Technologies™ Hermetic Moisture Indicator

It's a fact. Every commercial refrigeration and air conditioning system you install will eventually need maintenance along with a new moisture indicator.

And while there are plenty of brands to choose from, there is only one moisture indicator that incorporates breakthrough technology to reduce costly overhauls. The Hermetic Moisture Indicator (HMI) from Emerson Climate Technologies' Flow Controls division (formerly Alco Controls).

### The 3% difference

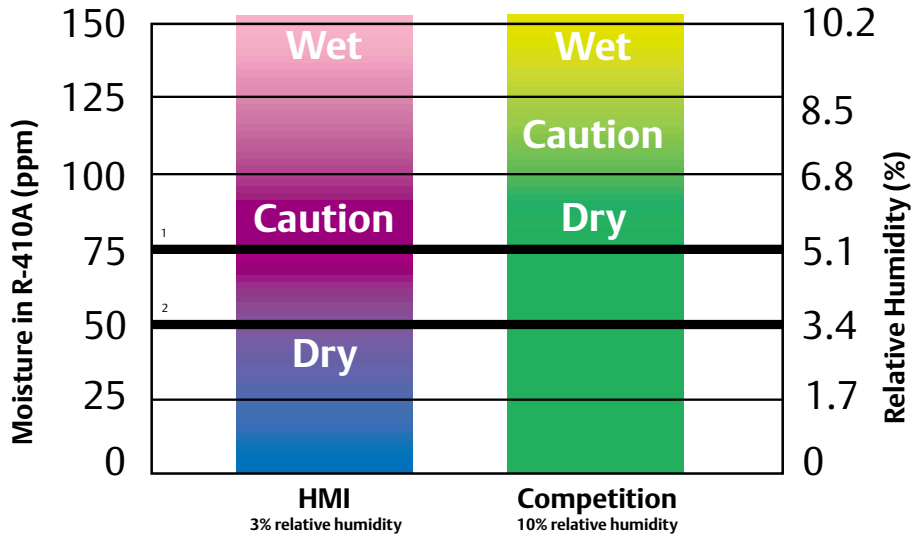
What makes Emerson's moisture indicator better? Early detection. The HMI's patented wafer dial uses a three-step gauge to detect moisture at 3% relative humidity (RH) – giving you plenty of time to make necessary adjustments before any damage is done. Ordinary indicators use a two-step paper gauge that only detects moisture at 10% RH – a level that is more than enough for corrosive acids to build up and totally destroy a system.

### Designed for today. Made for tomorrow.

The added moisture sensitivity of the HMI makes it ideal for nearly every refrigerant available – from HCFCs to new higher-pressure HFCs (including R-410A). In fact, the HMI is available with both ODF and SAE connections and is the only moisture indicator UL-approved to 680 psig. So even as your customers' systems undergo mandated changes in the next few years, the HMI you install today will work with the refrigerants of tomorrow.



## Only Emerson's HMI indicates harmful moisture levels in an R-410A system before damage is done.



### Built to last with a universal fit.

The HMI has an airtight, corrosion-resistant brass body with no o-rings or knife-edge seals for guaranteed leak-free operation. Plus it is heat resistant, so you can braze without having to worry about damaging the internal wafer dial. For installation, the HMI features solid copper fittings for easy, universal replacement of any brand indicator. Saving you time, along with your reputation.

### Now you see it. Now you know.

Let's face it, moisture indicators are almost always in dark areas with poor light. Which is why we gave the HMI a wide-angle, .71 square-inch viewing lens – by far the biggest in the industry. And with an easy-to-read tri-color-coded system, you'll be able to read the dial even in low light.

### Paper or plastic?

The HMI wafer dial is a molded disk that is significantly more durable than ordinary paper indicators. And it is more sensitive to lower levels of moisture (3% versus 10% relative humidity). In fact, the color in a paper indicator can actually wash out under wet conditions. Plus paper indicators are highly susceptible to damage from brazing during installation.

### Protect your reputation with the HVAC/R technology leader.

When it comes to your HVAC/R systems, you have enough things to worry about. Your reputation shouldn't be one of them. With Emerson's HMI, you know your customers are getting a better indicator and you are getting a better warning system. After all, your reputation is worth it.

Earlier indication. Better design. More reliability. The Emerson Climate Technologies Hermetic Moisture Indicator.

# Tri-Color Coded Tri-Color Coded

The molded wafer dial has a revolutionary third stage to warn you of building moisture levels. Simply look at the dot in the middle and you'll be able to see how your system is functioning.

**Blue = Dry, optimal operating conditions**

**Purple = Low levels of moisture detected**

**Pink = High levels of moisture detected**



## Compare HMI's Features to the Rest

FEATURES	HMI	SPORLAN SA	PARKER PSG	DANFOSS SGI
SEAL TYPE	BRAZED	KNIFE EDGE SEAL	O-RING	TEFLON SEAL
VIEWING LENS DIAMETER	0.95"	0.687" < 1/2" 0.953" ≥ 1/2"	0.75"	0.50" < 1/2" 0.85" ≥ 1/2"
RELATIVE HUMIDITY SENSING WAFER	3%	10%	10%	10%
ALL COPPER FITTINGS	YES	NO	YES	YES
SWIVEL-NUT CONNECTIONS	YES	YES	NO	NO
ALL BRASS BODY	YES	PAINTED STEEL BODY	YES	YES
MAXIMUM TEMPERATURE AT WHICH ELEMENT IS DAMAGED WHEN BRAZING	450°F	350°F	350°F	350°F
MAXIMUM WORKING PRESSURE	680 PSIG	650 PSIG	500 PSIG	500 PSIG
PLASTIC CAP COVER	YES	YES	NO	NO



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