

THE PAPER

# ADVANCED REFRIGERATION CONTROL

*New Capabilities & Best Practices*



TAKING SOLUTIONS FURTHER

K \]Y h.YmFdfYgYbhU'g][ b]UWbWd]HU' ]bj Ygra YbžUí hca Uh]cb Věa dcbYbhgžgcZk UfY UbX'gngHya g UfY V]h]W' h' h.Y' gi WWgg'cZUbnžcX' dfcWgg]b[ 'cf'Vě'X'ghcfU[ Y'ZUW]h]i'6i hbc h'VW'bc'c[ n'í bc'a UHf'f' \ck ]'jbcj Uh]j Yí Wb' UghiZcfYj Yf'

ě h.]gk \]h' dUdYfžk Y'fYj ]Yk h.Y'g][ bg'h.Uh]h]g'h]a Y h' fYd'UW' nci f'fYZ][ YfUh]cb Věbfc'g'gngHya žh.Y VYbYUhg'cZbYk Yf' gngHya gžk \Uh'fYa ch'Y'a cb]rcf]b[ 'Wb'Xc'Zcf'nai žUbX' \ck h'c [ Yh'h.Y'a cghci h'cZnai f'<A -g"

## **I I IME O PGRADE OR REPLACE O R REFRIGERA ION CON ROL ?**

K \]Y bYk 'fYZ][ YfUh]cb Věbfc' gngHya g UfY' g][ b]UWbWd]HU' ]bj Ygra Ybhgžh.Y]f'j Uí Y'ZUF'YI WYXg'h.Y]f'Věgh' 'ě' 'Uf[ Y'ZcX' dfcWgg]b[ 'cf'Vě'X'ghcfU[ Y'ZUW]h]Ygž'fYZ][ YfUh]cb 'mai]W' m'UW'ci bhg'Zcf'a cfY'h'Ub' \U'ZcZ'h.Y'ZUW]h]i' h'c'U' Y'VW]WYbYf[ n'í gY'"5bX'k ]h' i' bd'UbbYX'Xck bh]a Y Věgh]b[ 'a UbnZUW]h]Yg'h'bg'cZ'h'ci gUbXg'cZ'Xc' Ufg'dYf'XU'ž'Ub' U[ ]b[ 'fYZ][ YfUh]cb Věbfc' gngHya 'Wb'di h'nci f'Vi g]bYgg'Uh]g][ b]UWbWd]HU' ]"

## **IF O AN ER E O AN OF HE FOLLO ING Q E ION , I MA BE IME O P- GRADE OR REPLACE O R E I ING EM**

- -g'nai f'W'ffYbhVěbfc' gngHya 'a cfY'h'Ub' %\$!% 'n'YUfg'c'X3
- <Uj Y'nai 'YI dYf]YbW'X' i' bd'UbbYX'ZUW]h]i'Xck bh]a Y'Xi Y' h'c'fYZ][ YfUh]cb 'ZU]i' fYg3
- 5fY'h.Y' ]bX] ]Xi U' Věa dcbYbhg'cZ'nai f'fYZ][ YfUh]cb Věbfc'g'gngHya 'cdYfUh]b[ 'Ug']g'UbXgž'a YUb]b[ 'h.Y'rik cf' ]'bXYdYbXYbh'm'UbX'Xcb' h'U' ]' h'c' YUW' c'h'Yf3
- 5fY'nai 'gh]'cdYfUh]b[ 'cb'U'gYf]U' bYk cf' h'Uh]g' ]bYUf'za U\_]b[ 'h'X]ZUW' h'rc'YI dUbX'nai f'W'dUW]h]Yg3
- 8c'nai 'Uj Y' i' bg'UUV'Y'gi V]cb'UbX' \YUX' d'fYggi' fYg3'5fY'nai 'i' bUV'Y' h'c' h'f]a 'ZUbg'UbX' di' a' dgj ]U'J: 8' Věbfc'3
- 8c'nai 'Uj Y'a' i' h'd'Y' dUf]h]U' m'icUXYX' Věa' d'fYggc'fg3
- 8c'nai f'a' ch'cf'g'h'f]d'Xi Y' h'c'a' ch'cf'c] Yf'cUX3
- 8c'nai 'Uj Y'X]ZUW' h'm'UbX]b[ 'fYd'UW'a' YbhVěbfc' gngHya 'dUf]h]g3'5fY'nai f'i' h]h]mV]'g'ci h'cZVěbfc'Xi Y' h'c' YI Wgg]j' Y'YbYf[ m'í gY3

## **BENEFI OF PGRADING O R REFRIGERA ION CON ROL**

A cXYfb'fYZ][ YfUh]cb Věbfc'g'gngHya g'Uj Y' h'f' i' m'Věa Y'cZU[ Y'"-Z'nai f'Věbfc'g'gngHya ]g'a cfY'h'Ub' U'ZYk 'n'YUfg'c'Xž'nai ' a ][ \h'VY'gi' fdf]gYX' Uh'h.Y' VYbYUhg'h'Uh'bYk Yf'gngHya g'dfcj ]XY.

- 9h.YfbYhUW]h]Vh'fY' i' b' ]Y'c'XYf'gYf]U' bYk cf'g'k ]h'g'ck Yfž' ]bYUf'g'h'f' Vh' fYžbYk Věbfc'g'gngHya g'cdYfUh]j ]U'nai f'YI ]gh]b[ '9h.YfbYh' h.Y'gY' bYk cf'g' UfY' bcb!dfcdf]YUfmgc' ]b[ \ci gY' #H'Y'Ua' g'Wb' YUg]m'rfci V'Yg\cchi



- 5'g]b[ 'Y' ]bHY[ fUHYX' d'UhZcfa' ]' 'C'X' gngHYa g'UFY' cZYb' X]g'c]bHYXZ' k ]h' ]bdi h#ci hdi hgZ D@7' \UFXk UfYZ' J: 8gZ Vta a i b]WU]cbg' dfchVt' g' UbX' Ui hca Uh]cb' Vtbfc'`Yfg' U'` cdYfU]b[ ' ]bXYdYbXYbhmc'f' fYei ]f]b[ ' W'ghca ]nYX' ]bHYfZUW'g"BYk Yf'gngHYa g'UFY' ]bHY[ fUHYXZdfcj ]X]b[ 'naci k ]h' U'g]b[ 'Yzi b]UYX'd'UhZcfa' k ]h' gh]UbXUFXg!Vta d']Ubhi a Yh'cXg'Zcf VtbU[ i f]b[ 'ZcdYfU]b[ ' UbX'a U]bH]b]b[ ' U'fUb[ 'Y'cZ]bg'f' a Yb'rg'UbX'Yei ]da Yb'h'
- WYUgYX' XUHU' Uj U]U]U] ]m' ]' K ]h' U' g]b[ 'Yz' ]bHY[ fUHYX' d'UhZcfa' z' naci N' \Uj Y' ]bWYUgYX' UWW'gg' hc' YbYf[ nzi dfcXi V]cbz'UbX' i h']m'Vtgh]bZcfa Uh]cbz'`YUX]b[ ' hc' VYHYf' XYW]g]cb]a U\_]b[ ' Uh'h'Y'a UbU[ Ya Ybh'Yj Y'"Ndi' W]b' [ YbYfUHY' fYbX' UbU'ngYgZ'U'Ufa' `c[ gZ'YbYf[ ma' UbU[ Ya YbhXUH]z'UbX' fi bh]a Y' fYdcf'g] ]b' fYU'!h]a Y' hc' a U\_Y'h'Y' bYW'ggUf'm'W'Ub[ Yg'UbX'a cX]U]W]cbg'hc' Ybgi fY'naci f'fYZ][ YfU]cb' gngHYa ]g'fi bb]b[ ' Uhcdh]a U' YZU]WYbW'h'
- Bcb!dfcdf]YHfndYb'd'UhZcfa' g' ]' BYk Yf'gngHYa g'UFY' Vi ]'hcb' bcb!dfcdf]YHfndYb'd'UhZcfa' gZ'Y' ]a ]bU]b[ ' h'Y' bYXX'hc'gi ddcfhia i 'h]d'Y' dfchVt' g'UbX'dfcj ]X]b[ 'naci' a cfY'cdh]cbg'k \Yb'di f'W'Ug]b[ 'Yei ]da Yb'h'
- 9UgY' cZa U]bHYbUbW' UbX' Uj U]U]U] ]m' cZ' fYd' UWA' Ybhi dUf'g ]' ]' 8i Y' hc' h'Y'f' bcb!dfcdf]YHfnd'UhZcfa' gZ' bYk Yf' Vtbfc'`gngHYa g'UFY'a i W' YUg]Yf'hc' a U]bH]b]z'h'ci V'Yg\cchUbX' i d[ fUXYZk ]h'ci hYI dYbg]j Y'h' ]fX!dUf'm'gi ddcfh'
- EC= ]' F'Yd'U]b[ 'naci f' ci hXUHYX' Vtbfc'`gngHYa' W]b' \Uj Y' U' g][ b]U]W]bh]a dUW'h' cb' naci f' Vch'ca' ` ]bY'" BYk Yf' gngHYa g'a UbU[ 'Y'h'Y' Vtbfc'` UbX' g'Yei YbV]b[ 'cZU'`Yei ]da Ybh'hc' a U] ]a ]nY' YbYf[ m'YZU]WYbW'h' BYk Yf' gngHYa g' k ]' fYgdc'bX' hc' h'Y'XYa UbX'g'cZ'h'Y' gngHYa z'g'Yei YbW' h'Y' Ybh]fY' dfcW'gg'UbX' Ybgi fY' h'Uh'h'Y' gngHYa ]g'fi bb]b[ ' Uhcdh]a U' YZU]WYbW'h'

W' h'Y' bYI hdcgh]b'ci f'gYf]Yg'cb' fYZ][ YfU]cb' Vtbfc'`g'gngHYa gZ'k YN' YI d'cfY' h'Y' VYbY'U'g'cZ'fYa ch'Y'a cb]h'cf]b[ "

**HA CAN REFRIE E MONI ORIFOR O ? KH HA MOI**

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# GE . ING . HE MO . O . OF O R HMI

Ndi f' h'Ua 'fY'Jg'cb' <A =gWYbg'lc' a cb]rcf'fYU!h]a Y'dYfZcfa UbW'cZnci f'fYZ][YfU]cb'Vzbf'c''gnhYa g''6i h]Znci f'

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