

THE PAPER

ADVANCED REFRIGERATION CONTROL

New Capabilities & Best Practices



K \]Y h.YmFdfYgYbhU'g][b]UWbWd]HU']bj Ygha YbžU' hca Uh]cb Vž'a dcbYbhgžgcZk UfY UbX'gngHya g UfY V]h]W' h' h.Y' gi W'gg'cZUbnižcX'dfcW'gg]b['cf'Vž'X'ghcfU[Y'ZUW]h]i'6i hbc h'VW'bc'c[n' bc'a U'hYf'\ck]'bcbj Uh]j Y' W'b'UghicZfYj Yf'

ž h.]gk \]h' dUdYfžk Y'fYj]Yk h.Y'g][bg'h.Uh]h]h]a Y h' fYd'UW' nci f'fYZ][YfUh]cb Vž'bf'c'g'gngHya ž h.Y' VYbYU'hg'cZbYk Yf' gngHya gžk \Uh'fYa ch'Y'a cb]rcf]b['W'b'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 Vž'bf'c'g'gngHya g UfY'g][b]UWbWd]HU']bj Ygha Ybhgžh.Y]f'j U'i Y'ZU'f'YI WYXg'h.Y]f'Vž'gh'ž' 'Uf[Y'žcX'dfcW'gg]b['cf'Vž'X'ghcfU[Y'ZUW]h]Ygž'fYZ][YfUh]cb 'h'oi]W' m'UW'ž'i bhg'ž'f'a cfY'h'Ub '\U'ZcZ'h.Y'ZUW]h]h]h'c'U' Y'VW]WYbYf[n'i gY'"5bX'k]h' i bd'UbbYX'Xck bh]a Y Vž'gh]b['a Ubm'ZUW]h]Yg'h'bg'cZ'h'ci gUbXg'cZ'Xc'U'fg'dYf'XU'ž'Ub' U[]b['fYZ][YfUh]cb Vž'bf'c'g'gngHya 'W'b'di h'nci f'Vi g]bYgg'Uh]g][b]UWb'bf]g."

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'ffYbhVž'bf'c'g'gngHya 'a cfY'h'Ub '%\$!%) n'YU'fg'c'X'3
- <Uj Y'nai 'YI dYf]YbW'X'i bd'UbbYX'ZUW]h]m'Xck bh]a Y'Xi Y h'c'fYZ][YfUh]cb 'ZU]i fYg'3
- 5fY'h.Y']bX]]Xi U' Vž'a dcbYbhg'cZ'nai f'fYZ][YfUh]cb Vž'bf'c'g'gngHya 'cdYfUh]b['Ug']g'UbXgž'a YUb]b['h.Y'rik cf']'bXYdYbXYbh'm'UbX'Xcb'ñ'i'U']' h'c'YUW' c'h'Yf'3
- 5fY'nai 'gh]'cdYfUh]b['cb'U'gYf]U' bYh'k cf' h'Uh]g']bYUf'ž'a U_]b[']h'X]ZUW' h'ic'YI dUbX'nai f'W'dUW]]h]Yg'3
- 8c'nai '\Uj Y'i bg'UUV'Y'gi V]cb'UbX '\YUX'dfYggi fYg'3'5fY'nai 'i bUV'Y h'c'f]a 'ZUbg'UbX'di a dg]]U'j: 8 Vž'bf'c'3
- 8c'nai '\Uj Y'a i 'h]d'Y'dU'f]h]U' m'ic'UXYX'Vž'a dfYgg'c'fg'3
- 8c'nai f'a ch'c'f'g'h]d'Xi Y h'c'a ch'c'f'c] Yf'c'UX'3
- 8c'nai '\Uj Y'X]ZUW' h'm'UbX]b['fYd'UW'a YbhVž'bf'c'g'gngHya 'dU'f'g'3'5fY'nai f'i h]]h'V]]'g'ci h'cZ'Vž'bf'c'Xi Y h'c' YI W'gg]]Y'YbYf[m'i gY'3

BENEFI OF PGRADING O R REFRIGERA ION CON ROL

A cXYfb'fYZ][YfUh]cb Vž'bf'c'g'gngHya g'Uj Y'f'i 'm'Vž'a Y'cZU[Y'"-Z'nai f'Vž'bf'c'g'gngHya]g'a cfY'h'Ub'U'ZYk n'YU'fg'c'X'ž'nai ' a][\h'VY'gi fdf]gYX'Uh'h.Y' VYbYU'hg'h.Uh'Yk Yf'gngHya g'dfc]]XY.

- 9h.YfbYh'U'W]h'V]h'fY']' i b']Y'c'XYf'gYf]U' bYh'k cf'g'k]h'g'ck Yfž']bYU'f'g'f'i V]h' fYž'bYk Vž'bf'c'g'gngHya g'cdYfUh]]]U'nai f'YI]gh]b['9h.YfbYh' h.Y'gY' bYh'k cf'g' UfY' bcb!dfcd]f]YU'f'm'g'c']b[\ci gY' #h'Y'Ua g'W'b'YUg]m'f'ci V'Yg\c'chi



- 5'g]b['Y']bHY[fUHYX' d'UhZcfa' í' 'C'X' gngHYa g'UFY' cZYb' X]g'c]bHYXž k]h' ']bdi h#ci hdi hgž D@7' \UFXk UfYZ' J: 8gž Vta a i b]WU]cbg' dfchVt' g' UbX' Ui hca Uh]cb' Vt'bf'c''Yfg' U'' cdYfU]b[']bXYdYbXYbhmc'f' fYei]f]b[' W'ghca]nYX']bHYfZUW'g''BYk Yf'gngHYa g'UFY']bHY[fUHYXždfcj]X]b['naci k]h' U'g]b['Yž' b]U'YX'd'UhZcfa' k]h' gh]UbXUFXg!Vta d']Ubhi a Yh'cXg'Zc'f'Vt'bu' i f]b[žcdYfU]b['UbX'a U]b]U]b]b['U'fUb['Y'cZ]bg'f' a Yb'rg'UbX'Yei]da Yb'f'
- WYUgYX' XUHU' Uj U]U'V']lm' í' K]h' ' U' g]b['Yž']bHY[fUHYX' d'UhZcfa ž' naci N' ' \Uj Y']bWYUgYX' UWW'gg' hc' YbYf[nž' dfcXi V]cbž'UbX' i h']m'Vt'gh]bZcfa Uh]cbž'YUX]b['hc' VYHYf'XYW]g]cb]a U_]b['Uh'h'Y'a UbU[Ya Ybh'Yj Y''Ndi 'WUb' [YbYfUHY' fYbX'UbU'ngYgž'U'Ufa ''c[gžYbYf[ma UbU[Ya YbhXU]ž'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'WU]cbg'hc' Ybgi fy'naci f'fYZ]' [YfU]cb' gngHYa]g'fi bb]b['Uhc'd'h]a U'YZ'U'WYbW'h'
- Bcb!dfcdf]YHf'ndYb'd'UhZcfa' g'í' 'BYk Yf'gngHYa g'UFY'Vi]h'cb' bcb!dfcdf]YHf'ndYb'd'UhZcfa' gžY']a]bU]b['h'Y' bYXX'hc'gi ddcf'ha i 'h]d'Y' dfchVt' g'UbX' d'fcj]X]b['naci 'a cfY'cdh]cbg'k \Yb'di f'W'Ug]b['Yei]da Yb'f'
- 9UgY' cZa U]bHYbUbW' UbX' Uj U]U'V']lm'cZ'fyd'UW'a Ybhi dUf'g' í' '8i Y'hc' h'Y'f' bcb!dfcdf]YHf'nd'UhZcfa' gž' bYk Yf' Vt'bf'c''gngHYa g'UFY'a i W'YUg]Yf'hc'a U]b]U]bž'fci V'Yg\cch'UbX' i d[fUXYžk]h'ci hYI dYbg]j Y'h'fX!dUf'm'gi ddcf'h'
- EC=í' 'FYd'U]b['naci f'ci hXUHYX' Vt'bf'c''gngHYa 'WUb' \Uj Y' U' g] [b]U'Wbh]a dUW'cb' naci f'Vch'ca '']bY'' BYk Yf' gngHYa g'a UbU['Y'h'Y' Vt'bf'c''UbX' g'Yei YbV]b['cZU''Yei]da Ybh'hc'a U]]a]nY' YbYf[m'YZ'U'WYbW'h' BYk Yf' gngHYa g' k]'' fYg'cbX'hc' h'Y'XYa UbX'g'cZ'h'Y' gngHYa ž'g'Yei YbW' h'Y' Ybh]fY' d'fcW'gg'UbX' Ybgi fy'h'Uh'h'Y' gngHYa]g'fi bb]b[' Uhc'd'h]a U'YZ'U'WYbW'h'

W' h'Y' bYI h'c'gh]b'ci f'gYf]Yg'cb' f'YZ]' [YfU]cb' Vt'bf'c''g'gngHYa gžk YN' 'YI d'cfY' h'Y' VYbY'U'g'cZ'fYa c'h' 'a cb]h'cf]b["

HA CAN REFRIE E MONI ORIFOR O ? KH HA MOI

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'
