

А
Срвгпп



Wugt"Ocpwcn

About This Manual

Vjku" o cpwcn" yknn" i wkfg" {qw"vj tqwi j" uk o rng" kpuvcnncvkqp" cpf" ugv" wr" r t q e g f w t g u}

Introduction N Vjg" CHN5652." y jgtg" vq" wug" kv" cpf" kvu" o ckp" hgcvtwtgu

Basic Installation N Jqy" vq" eqppgeev." eqpLi wtg" cpf" vtqwdngujqqv" {qwt" CHN5652}

Specifications N C" fgvcngf" nkuvkpi" qh" cnn" vjg" rgtvkpgpv" urgekLecvkqpu}

kh" {qw" fgvgv" cp" { "kpeewtcekgu" qt" q" o kuukqpu." rngcug" kphqt o "wu" GpfTwp" Vgejpqni kgu" ecppqv" dg" jgnf" tgu rqpukdnq" hqt" cp" { "vgejpkecn" qt" v" rqi tcr jkecn" gtttu" cpf" tgu gtxgu" vjg" tki jv" vq" o cmg" e j c p i g u" vq" vjg" r t q f w e v" c p f" o c p w c n u" y k v j q w v" r t k q t" p q v k e g}

Warranty

Vjku" r t q f w e v." o c p w h c e v w t g f" d { "Gp f T w p" V g e j p q n i k g u." k u" y c t t c p v g f" c i c k p u v" f g h g e v u" k p" o c v g t k c n" c p f" y q t m o c p u j k r" h q t" c" r g t k q f" q h" q p g" { g c t" h t q o" f c v g" q h" u j k r o g p v." w p f g t" p q t o c n" w u g" c p f" u g t x k e g" F w t k p i" v j g" y c t t c p v" r g t k q f." G p f T w p" V g e j p q n i k g u" y k m" t g r c k t" q t" t g r n c e g." c v" k v u" q r v k q p." r t q f w e v u" y j k e j" r t q x g" v q" d g" f g h g e v k x g}

Hqt" y c t t c p v { " u g t x k e g" q t" t g r c k t." v j k u" r t q f w e v" o w u v" d g" t g w t p g f" v q" G p f T w p" V g e j p q n i k g u" D w { g t" u j c m n" r t g r c { " u j k r r k p i" e j c t i g u" v q" u g p f" r t q f w e v" v q" G p f T w p" V g e j p q n i k g u" c p f" G p f T w p" V g e j p q n i k g u" u j c m n" r c { " u j k r r k p i" e j c t i g u" v q" t g w t p" r t q f w e v" v q" D w { g t" J q y g x g t." k h" t g w t p g f" r t q f w e v" r t q x g u" v q" d g" q r g t c v k p i" p q t o c m n" * p q v" f g h g e v k x g" v j g p" D w { g t" u j c m n" r c { " h q t" c m n" u j k r r k p i" e j c t i g u" K h" D w { g t" k u" n q e c v g f" q w v u k f g" v j g" W 0 U 0 C 0" v j g p" D w { g t" u j c m n" r c { " c m n" f w v k g u" c p f" v c z g u." k h" c p {}

Rtqfwevu" pqv" o cpwhcevtgf" d { "Gp f T w p" V g e j p q n i k g u" d w v" k p e n w f g f" c u" c p" k p v g i t c n" r c t v" q h" c" u { u v g o" * g i" r g t k r j g t c n u." q r v k q p u" + c t g" y c t t c p v g f" h q t" p k p g v" { " f c { u." q t" n q p i g t" c u" r t q x k f g f" d { " v j g" q t k i k p c n" g s w k r o g p v" o c p w h c e v w t g t." h t q o" f c v g" q h" u j k r o g p v}

Limitation of Warranty

Vjg" hqtgi qkpi" gzrtguu" y c t t c p v { " u j c m n" p q v" c r r n { " v q" f g h g e v u" t g u w n v k p i" h t q o" k o r t q r g t" q t" k p c f g s w c v g" o c k p v g p c p e g" d { " D w { g t" q t" W u g t." D w { g t" u w r r n k g f" u q h v y c t g" q t" k p v g t h c e k p i." w p c w v j q t k | g f" o q f k L e c v k q p" q t" o k u w u g." q r g t c v k q p" q w v u k f g" q h" v j g" g p x k t q p o g p v c n" u r g e k L e c v k q p u" h q t" v j g" r t q f w e v." q t" k o r t q r g t" u k v g" r t g r c / t c v k q p" q t" o c k p v g p c p e g}

VQ"V J G" G Z V G P V" R G T O K V V G F" D [" N C Y." V J K U" Y C T T C P V [" C P F" T G O G O F K G U" U G V" H Q T V J" C D Q X G" C T G" G Z E N W U K X G" C P F" K P" N K G W" Q H" C N N" Q V J G T" Y C T T C P V K G U." T G O G F K G U" C P F" E Q P F K V K Q P U" Y J G V J G T" Q T C N" Q T" Y T K V V G P." U V C V W V Q T [" G Z R T G U U." Q T" K O R N K G F" C U" R G T O K V V G F" D [" C R R N K E C D N G" N C Y." G P F T W P" U R G E K H K E C N N [" F K U E N C K O U" V J G" K O R N K G F" Y C T T C P V K G U" Q H" O G T E J C P V C D K N K V [" Q T" H K V P G U U" H Q T" C" R C T V K E W N C T" R W T R Q U G}

Warranty Repair

kh" {qw" dgnkxg" {qwt" gswkr o gpv" ku" kp" pggf" qh" tgrckt." ecnn" Gp f T w p" V g e j p q n i k g u" c p f" c u m" h q t" c" e w u v q o g t" u g t x k e g" c i g p v" k v" k u" k o r q t v c p v" v q" e q p v c e v" w u" L t u v" c u" o c p { " r t q d n g o u" o c { " d g" t g u q n x g f" y k v j" c" r j q p g" e c n n}

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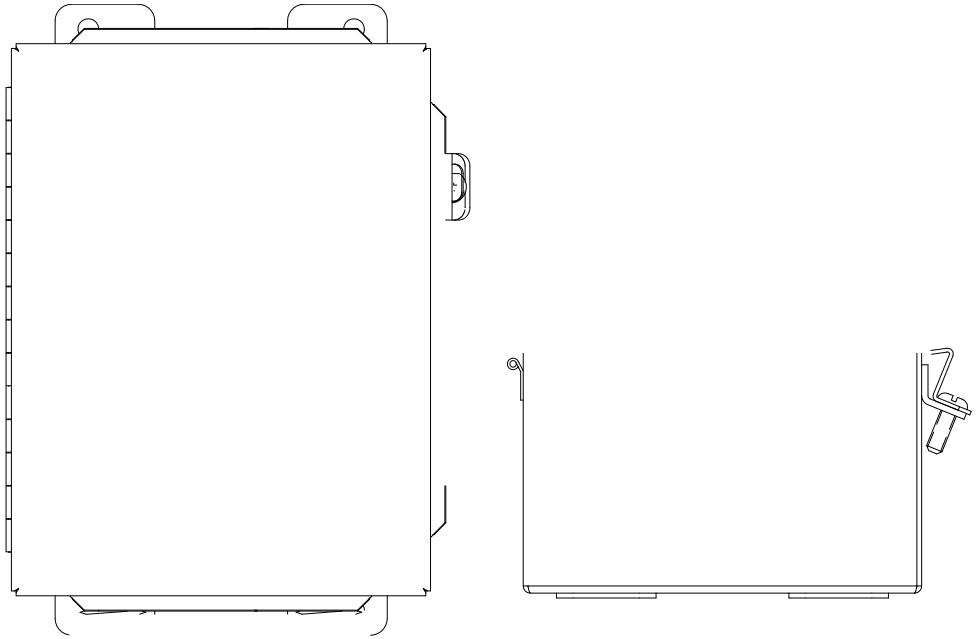
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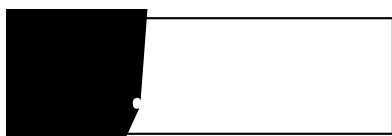
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NEMA Transmitter
Physical Description

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CE"Rqygt"Gpvt{"	Vjg"wpkv"ku"ujkr gf" ykvj" c"uvtkp"tgnkgh"ht" wug"kp"ft{"nqecvkqpu" ykvj"vjg"uw r rnkf r qygt"eqtf"qt" c"uk o knct"3l: ö"*504 o o+"vq"5l: ö*; 07 o o+" fkc o gygt"rqygt"eqtf0"" "
" " "	Hqt" ygv"nqecvkqpu."vjg"uvtkp"tgnkgh" o wuv"dg"tg o qxgf"cpf"tgrncegf" ykvj" ö"vtc fg uk g"Nkuvf"NKS WK F/VK I J V"Łvvpki u." ykvj" c"eqpfwkv"eqppgevqpp" o gcpu"vjcv"ku uwkvc dng"ht"vjg"gpvktqp o gpvcn"eqpfkvkqpu"*uwej"cu" y gcvjgt."WX"gz rquwtg+."cpf eq o rnkgu" y kvj" c m"cr nkecdng"nqecn"tg i wncvkqpu"cpf"rtcevkegu."uwej"cu"vjg" wug"qh" c I tqwpf"Hcwnv"Ektewkv"Kpvgttwrvgt"* IHEK+0
" " "	Y jgp"vjg"rtqfwew"ku"eqppgevgf"vq"vjg"CE" o ckpu" y kvj"vjg" wug"qh"eqpfwkv"*k0g0 rgt o cpgpwn{" yktgf"cpf"pqv"eqtf/eqppgevgf+."c"tgc fkn{" ceeguukdng"fkueqppgev fgxkeg"ht"tg o qxkpi"rqygt"fwtkpi"ugtxkekpi" o wuv"dg"kp eqtrqtcvgf"kp"vjg" dwknfkpi"ø"dtcepi"ektewkv"fwtkpi"kpucnncvkqp0



Installing the AFL3430 Fiber Optic Link

Ukpeg"kv"kpqxng"y qtm"y kvj"rtgekukqp"Łdgt"qr vke"eq o rqp ppu"cpf"rqv gpkcn{"fcpigtquw"rqygt"ekt/
ewkvu."CHN5652"kpvcncvkqp"ujqwnf"dg"rgthqt o gf"d{"swcnkŁgf"rgtuqppgn"qpn}{0



Vq"cxqkf"rqv gpkcn"g{g"klwt{"kpuvcnn"dqvj"gp fu"qh"qr vke"ecdng"rtkqt"vq"cr rn{kp i"CE"
rqygt"vq"Hkdgt"Qrvke"Vtcpu o kvgt"Rtkqt"vq"cr rn{kp i"rqygt"vq"vtcpu o kvgt."cwcej"vjg"Hkdgt"Qrvke"Ecdng"
Yctpkpi"Vci"vq"vjg"Łdgt"qr vke"ecdng"cv"qt"pgct"vjg"eqppgevqt"qp"vjg"tgegkxgt"gp f"qh"vjg"ecdng

Mount the Fiber Optic Receiver

30""Wukpi"uvcpfctf"3;ö"tce m"o qwpvki"jctf yctg."o qwpv"vjg"wpkv"kp"vjg"fguktgf"nqecvkqp"Kv"yqwnf"
v{rkecn{"dg"nqecvgf"cf lcegpv"vq"vjg"vk o kpi"gs wkr o gpv"vjcv"ykn"wug"vjg"tgeqxtgf"IRU"uki pcn"fwg"
vq"vjg"tkum"qh"gzrquwtg"vq"kp xkukdng"tcfkcvkqp"g o kvvgf"htq o"cp"wp eqppgev f"Łdgt"qr vke"ecdng."vjg"tgct"
rcpgn"o wuv"dg"nqecvgf"uwej"vjcv"gpikpggkpi"qt"cf o kpkuvtcvkxg"eqpvtqn"o cmg"kv"kpceeguukdng."gzegr"vq"
cwvjtk|gf"rgtuqppgn"y kvj"cr rtrtkcvg"ncugt"uchgv{"vtckkpi

40""Eqppgev"vjg"Łdgt"qr vke"tgegkxgt"TH"Qwvrvw"vq"vjg"Cpv gppc"Kprwv"qh"vjg"vk o kpi"gs wkr o gpv"wukpi"vjg"
uwr rnkf"TH"kpvgteqppgev"ecdng"qt"gs wxcngpv"72"qj o"ecdng"y kvj"VPE"eqppgevqtu

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qh"vjg"Hkdgt"Qrvke"tgegkxgt

60""Y jgp"tgc f{"vq"rqygt"wr."rnwi"vjg"qvjgt"gp f"kp vq"cp":7/486"XCE"itqwpfgf"qwnv

CAUTION

Ground the unit properly with the supplied power cord.

The socket outlet should be installed near the equipment and be easily accessible.

Power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord.

Do not install the Fiber Optic Receiver where the operating ambient temperature might exceed 122°F (50°C).

Install the Fiber Optic Transmitter (1U Rackmount) and GPS Antenna

30" Oqwpv"vjg"cpvgppc"qp"vjg"tqgh"wukpi"vjg"uwr rnkgr" o qwpvki"jctfyctg0"Vjg"cpvgppc" o wuv"dg" kpuvcnngf" ykvj" c" o kpk o w o "gzvgtpcn"*qvwfqqt+"ecdng"twp"cpf"vjg"nqy guv"cpvgppc" o qwpvki"jgkijv"vjcv" cnnqyu"cp"wptgvtkevgf"xkgy"qh"vjg"um{0" Ocmg"uwtg"vjcv"cp{"nctig" o gvcnke"qdlgevu" ykvj"kp"5"hv"3" o "+"qh" vjg"cpvgppc"fq"pqv"dnqem"vjg"xkgy0"



"Hqnnqy"vjgug" i wkfgnkpgu"vq"gnk o kpcvg"gzrquwtg"vq"nggevtkecn"ugtxkeg"ytkpi"cpf"vq" o kpk o k | g"vjg"r qvgpvkcn"ht"nki jvpki"uvtkmgu0"Kpuvcnncvkqpu"uwdlgev"vq"nki jvpki"uvtkmgu"ujqwnf"g o rnq{" c"nki jvpki"cttguvqt"kpucnngf"cv"vjg"vtcpu o kvgtø"gpenuwtg"ht"qvwukfg"kpucnncvkqpu"qt"cv"vjg"dwknfki" gpvtcepg"ht"kpucnncvkqpu" ykvj"vjg"vtcpu o kvgt" o qwpvgf"kpqqtu"cpf"vjg"cpvgppc" o qwpvgf"qvwfqqtu0"C t%wdlvw"

Troubleshooting the Fiber Optic Link after Initial Power Up (Rackmount Transmitter)

U [ORVQO	CEVKQP
Vtcpu o kvgt"RQ YGT"NGF Qhh	Xgtkh{" :7/486XCE" B "r q y g t"q w v n g v 0""Kh"x q m v c i g"ku"QM."eqpvcev" hcevqt {0
Vtcpu o kvgt"NCUGT"NGF Qhh	Eqpvcev"hcevqt {0
Vtcpu o kvgt"HIQ"CNCTO Qp	Eqpvcev"hcevqt {0
Tgegkxgt"RQ YGT"NGF"Qhh	Xgtkh{" :7/486XCE" B "r q y g t"q w v n g v 0""Kh"x q m v c i g"ku"QM."eqpvcev" hcevqt {0
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Tgegkxgt"CNCTO"NGF"Qp	Xgtkh{" r t q r g t"kpucmncvkqp"qh"HEICRE"Łdgt"q rvke"eqppgevqtu"cv" v j g"vtcpu o kvgt"cpf"tgegkxgt0""*Ugg" f t c y k p i " f g v c k m u "k p " "ugevkqp"cpf" "ugevkqp0+""Xgtkh{" "p q p / m k p m g f . "k p v c e v"Łdgt" ecdng0""Xgtkh{" ecdng"ku"ukp i n g / o q f g"Łdgt" r g t"u r g e k Ł e c v k p p 0"" Xgtkh{" o c z k o w o "7"m o "Łdgt" t w p 0

Install the Fiber Optic Transmitter (NEMA Stainless Steel) and GPS Antenna

30""O q w p v " v j g " c p v g p p c " q p " v j g " t q q h " w u k p i " v j g " u w r r n k g f " o q w p v k p i " j c t f y c t g 0 "" V j g " c p v g p p c " o w u v " d g " k p u v c m n g f " y k v j " c " o k p k o w o " g z v g t p c n " * q w v f q q t + " e c d n g " t w p " c p f " v j g " h q y g u v " c p v g p p c " o q w p v k p i " j g k i j v " v j c v " c m n q y u " c p " w p t g u v t k e v g f " x k g y " q h " v j g " u m { 0 " O c m g " u w t g " v j c v " c p { " n c t i g " o g v c m k e " q d l g e v u " y k v j k p " 5 " h v " * 3 " o + " q h " v j g " c p v g p p c " f q " p q v " d n q e m " v j g " x k g y 0 ""



"Hqnnq y " v j g u g " i w k f g n k p g u " v q " g n k o k p c v g " g z r q u w t g " v q " g n g e v t k e c n " u g t x k e g " y k t k p i " c p f " v q " o k p k o k | g " v j g " r q v g p v k c n " h q t " n k i j v p k p i " u v t k m g u 0 " k p u v c m n c v k q p u " u w d l g e v " v q " n k i j v p k p i " u v t k m g u " u j q w n f " g o r n q { " c " n k i j v p k p i " c t t g u v q t " k p u v c m n g f " c v " v j g " v t c p u o k v g t 0 " g p e n q u w t g " h q t " q w v u k f g " k p u v c m n c v k q p u " q t " c v " v j g " d w k n f k p i " g p v t c p e g " h q t " k p u v c m n c v k q p u " y k v j " v j g " v t c p u o k v g t " o q w p v g f " k p f q q t u " c p f " v j g " c p v g p p c " o q w p v g f " q w v f q q t u 0 " C " n k i j v p k p i " c t t g u v q t " u w k v g f " h q t " v j k u " c r r n k e c v k q p " k u " c x c k n c d n g " v j t q w i j " G p f T w p " V g e j p q n q i k g u 0 " V j g " c t t g u v q t " o w u v " d g " k p u v c m n g f " c e e q t f k p i " v q " v j g " o c p w h c e w t g t 0 " k p u v t w e v k q p u 0 "



Fq" PQV" t q w v g " v j g " c p v g p p c " y k t k p i " p g c t " q t " y k v j " C E " y k t k p i " * E n c u u " 3 " e k t e w k v u " r g t " v j g " P G E + . " p q t " o q w p v " v j g " c p v g p p c " y k t k p i " y j g t g " k v " o c { " d g e q o g " g p g t i k | g f " d { " p g c t d { " C E " y k t k p i " q t " e q o r q / p g p v u " u j q w n f " v j g { " h c m 0

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IRU"cpvgppc"hqt" c" o czk o w o "72"hv"*37" o+"ecdng"twp"dgvy ggp"vjg"gpenuwtg"cpf"vjg"cpvgppc0"Vjg"wpkv."
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I P F " Uchgv { " I tqw p f
 P " " P g w v t c n
 N " " N k p g

Install Fiber Optic Cable (NEMA Transmitter)

30 "Xgtkh" { "vjcv" "vjg" "Ldgt" "qr vke" "ecdng" ku "eqttgev" "hqt" "vjku" "cr rnkcev" qp "d" { "eq o rctkpi" "kvu" "ejctcevg" tkuvke "vq" "vjqug" "nkugf" "kp" 0 "P qvg" < "Mggr" r tqvgevkxg "ecru" qp "cnn" wp o cvgf "Ldgt" "qr vke" "ecdng" gp fu "vq" r t g x g p v u e t c v e j k p i " c p f " f w u v " c e e w o w n c v k p p 0 "

40 "Tqwg" "ecdng" dg v y ggp "tgegkxgt" cpf "vtcpu o kvvgt." "mggrkpi" "dgp" f "tcfk" wu i t g c v g t " v j c p " 3 ö " v q " c x q k f " f c o c i / k p i " k p v g t p c n " L d g t 0

5C "Kpucm" ykvj "Uvtckp" "Tgnkgh" "Hqt" "PGOC" 6 "gpenquwtg." y jgp "wukpi" "hcevt" { "uwr rnkf" "uvtckp" "tgnkgh." tg o qxg "qvwgt" "pwv" "qh" "uvtckp" "tgnkgh." "ugrctcvg" "eq o rppgvu" "cpf" "vjtgcf" "Ldgt" "qr vke" "ecdng" "cu" "ujqyp" * "Tghgt" "vq" "ftcykpi" "cv" "vjg" "gp" f "qh" "vjku" "ugevkqp" +0 "Vjg" "ujqwn" / fgt "y cu jgt" "cpf" "twddgt" i tq o o gv "kp" "vjku" "uvtckp" "tgnkgh" jcxg "dggp" o qfk "Lgf" "uq" "vjg" { "ecp" "dg" "wugf" "ykvj" "vjg" "Ldgt" "qr vke" "eqppgev" 0 "Vjg" "ujqwn" fgt "y cu jgt" "ku" "urnkv" "kp" jcnh "cpf" "vjg" "twddgt" i tq o o gv "ku" "eww" "qp" "qpg" "ukfg" "uq" "vjcv" "vjg" { "ecp" "dg" "kpuvcn" "gf" "fktgevn" { "qp" "vq" "vjg" "Ldgt" "qr vke" "ecdng" "ykvj" "qvw" "kpvgtgtpg" "ykvj" "vjg" "eqppgev" 0

Hkv "ecdng" "eqppgev" t "kp" vq "dwnm" j g c f "eqppgev" t "o cmkpi" "uwtg" "vjcv" "vjg" i w k f g " q p " v j g " e c d n g " e q p p g e v q t " k u " c n k i p g f " y k v j " v j g " u n q v " k p " v j g " d w n m j g c f " e q p p g e v q t . " v j g p " v k i j v g p 0 " " T g c u u g o d n g " u v t c k p " t g n k g h " e q o r p p g p v u " c p f " v k i j v g p " q w v g t " p w v " w p v k n " k p p g t " i t q o o g v " k u " u p w i " c t q w p f " l c e m g v " q h " L d g t " q r v k e " e c d n g 0 " " P q v g " v j c v " v j g " y q t m k p i " t c p i g " q h " v j g " u v t c k p " t g n k g h " k u " 3 l : ö " v q " 5 l : ö " c p f " v j g " v { r k e c n " L d g t " q r v k e " e c d n g " l c e m g v " k u " u n k i j v n { " n g u u " v j c p " 3 l : ö 0 " " K h " p g e g u a c t { . " v j g " e c d n g " e c p " d g " d w k n v " w r " y k v j " g n e v t k e c n " v c r g " v q " u w r r q t v " c " v k i j v g t " i t k r 0 " " J q y g x g t . " v j g " g p v t { " r q k p v " k u " q p n { " k p v g p f g f " v q " d g " f w u v / v k i j v " c p f " v j g " H E I C R E " e q p p g e v q t " k u " f g u k i p g f " v q " u w r r q t v " v j g " e c d n g . " u q " k v " k u " u w h l e k g p v " v j c v " v j g " i t q o o g v " o g t g n { " u g c n " v j g " g p v t { " r q k p " t c v j g t " v j c p " i t k r " v j g " e c d n g 0

5D "Kpucm" ykvj "Eqp fkw" "Hqt" "PGOC" 6 "gpenquwtg." y jgp "wukpi" "eqp fkw." tqwg "ecdng" vj tqw i j "eqp fkw" vq "kpvgtpcn" "dwnm" j g c f "eqppgev" t 0 "Hkv" "ecdng" "eqppgev" t "kp" vq "dwnm" j g c f "eqppgev" t "o cmkpi" "uwtg" "vjcv" "vjg" i w k f g " q p " v j g " e c d n g " e q p p g e v q t " k u " c n k i p g f " y k v j " v j g " u n q v " k p " v j g " d w n m j g c f " e q p p g e v q t . " v j g p " v k i j v g p 0

60 "Tqwg" "ecdng" wr "vq" "vjg" "tgct" "qh" "vjg" "tgegkxgt" "ejcuuku" 0 "Hkv" "ecdng" "eqppgev" t "kp" vq "dwnm" j g c f "eqppgev" t "o cmkpi" "uwtg" "vjcv" "vjg" i w k f g " q p " v j g " e c d n g " e q p p g e v q t " k u " c n k i p g f " y k v j " v j g " u n q v " k p " v j g " d w n m j g c f " e q p p g e v q t . " v j g p " v k i j v g p 0

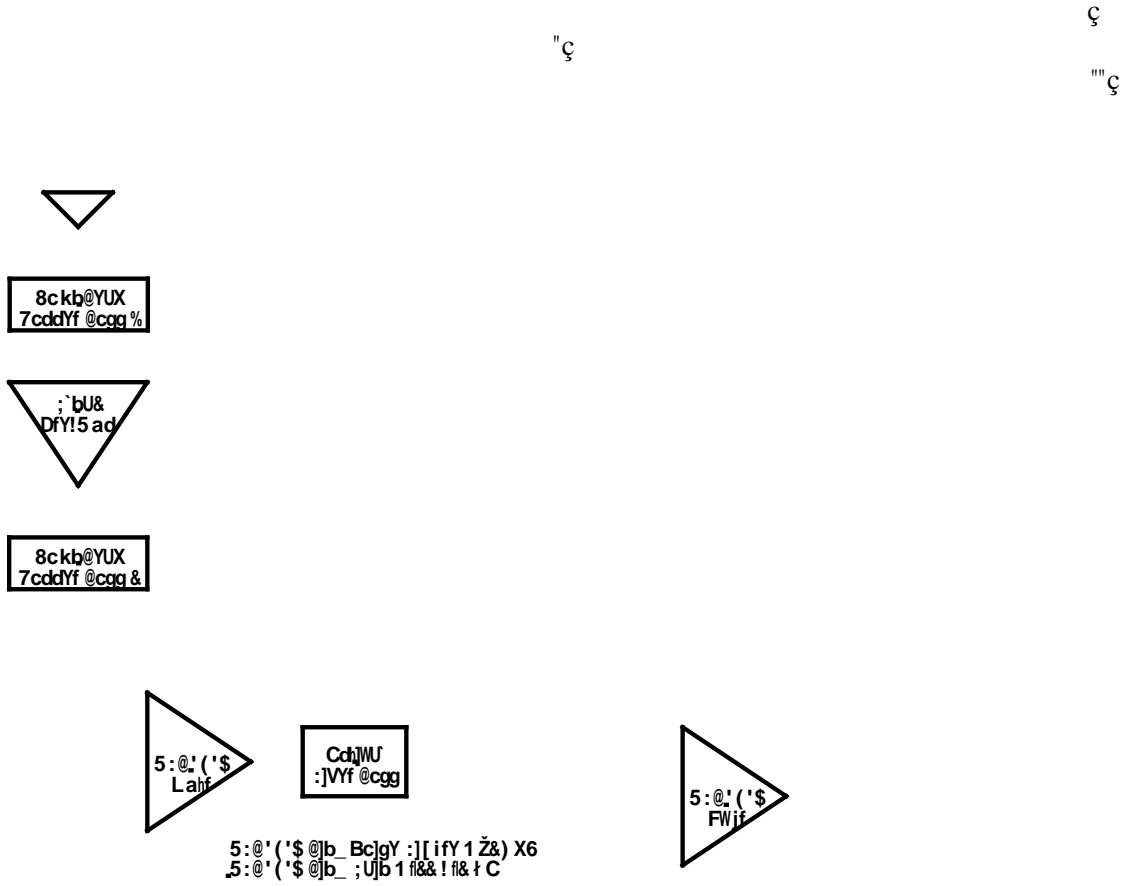
Vjku"rcig"kpvgpvkqpcnn{"nghv"dncpm0



Example Configuration

Gain Elements:

Loss Elements:



TCEMOQWPV"HKDG T"QRVKE"VTCPUOKVVGT"URGEKHKKECVKQPU

TH"Kprwv"*Cpvgppc+

Hg o cng"VPE"Lcem." \kp"? "72"qj o u."32"fD"tgwtp"nquu."522"O J | /4722"O J | 0

FE"Rq y gt"hqt" IRU"Cpvgppc<"7X" B "72" o C."uj qtv"ektewkv" rtqvgevgf0

Oczk o w o "TH"Kprwv<" /46"fD o "cv"522"O J | 0

" " " " /3:"fD o "cv"3722"O J | 0

" " " " /34"fD o "cv"4722"O J | 0

* **O**

HKDGTTQRVKE"TGEGKXGT"URGEKHKCECVKQPU

TH"Qwvrvw

Ko r g f c p e g < " 7 2 " q j o u . " @ 3 2 " f D " t g w t p " n q u u . " 5 2 2 " O J | / 4 7 2 2 " O J | 0
Uk o w n c v g f " C p v g p p c " N q c f " * f w t k p i " p q p / h c w n v " e q p f k v k q p u + < "
" 5 6 5 2 / 2 2 2 4 / 2 2 2 " H k d g t " Q r v k e " T g e g k x g t < " 3 : " o C " B " 7 X 0
" 5 6 5 2 / 2 2 2 5 / 2 2 2 " H k d g t " Q r v k e " T g e g k x g t < " 3 : " o C " B " 7 / 3 4 X 0

Qrvkecn"Kprwv"Ukipcn"Ejctcevgtkvkeu

Qrvkecn"Ycxngnpi v j < " 3 5 3 2 " p o 0
Oczk o w o " Q r v k e c n " K p r w v < " 6 " o Y 0

Rtko ct{"Rqygt

; 2 / 4 8 6 X C E . " 7 2 1 8 2 J | 0
7 Y " V { r k e c n . : Y " O c z k o w o 0
5 " r k p " k G E " 8 2 5 4 2 " e q p p g e v q t " q p " t g c t " r c p g n 0

Gpxktqpo gpvcn."Tcem o qwpv"Gpenquwtg

Q r g t c v k p i " V g o r g t c v w t g < " 2 Å " v q " - 7 2 Å E 0
U v q t c i g " V g o r g t c v w t g < " / 6 2 Å E " * / 6 2 Å H + " v q " - : 7 Å E " * - 3 : 7 Å H + 0
J w o k f k v { < " 2 " v q ; 7 ' . " p q p / e q p f g p u k p i 0

Uk|g"cpf"Ygkijv

V { r g < " " T c e m o q w p v 0
E j e u u k u < " 3 0 9 7 ö J " z " 3 9 0 3 7 ö Y " z " 3 2 0 : ö F " * 6 0 6 " e o " z " 6 5 0 8 " e o " z " 4 9 0 6 " e o + 0
Y g k i j v < " 7 " n d 0 " * 4 0 4 " m i 0 + 0
"

